



# TEST REPORT

**Reference No.** : WTX25X06169770W005  
**Manufacturer** : Lumi United Technology Co., Ltd  
**Address** : Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China  
**Product Name** : Light Switch H2 Horizontal (4 Buttons, 3 Channels), Light Switch H2 Horizontal (2 Buttons, 2 Channels), Light Switch H2 Horizontal (2 Buttons, 1 Channel)  
**Model No.** : WS-K14D, WS-K13D, WS-K12D  
**Standards** : AS/NZS CISPR 15:2025  
**Date of Receipt sample** : 2025-06-27  
**Date of Test** : 2025-06-27 to 2025-07-28  
**Date of Issue** : 2025-07-28  
**Test Report Form No.** : WTX\_AS CISPR 14\_1\_2021\_A  
**Test Result** : Pass

**Remarks:**

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

**Prepared By:**

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Tested by:

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Approved by:

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Jason Su/Manager



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## Report version

| Version No. | Date of issue | Description |
|-------------|---------------|-------------|
| Rev.00      | 2025-07-28    | Original    |
| /           | /             | /           |

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## 1.GENERAL INFORMATION

### 1.1 Product Description for Equipment Under Test (EUT)

| <b>General Description of EUT</b>  |   |
|--|---|
| Product Name:  | Light Switch H2 Horizontal (4 Buttons, 3 Channels),Light Switch H2 Horizontal (2 Buttons, 2 Channels),Light Switch H2 Horizontal (2 Buttons, 1 Channel) |
| Trade Name:  | Aqara   |
| Model No.:   | WS-K14D   |
| Adding Model(s):   | WS-K13D,WS-K12D   |
| <p><i>Note: The test data is gathered from a production sample, provided by the manufacturer. The appearance of others models listed in the report is different from main-test model WS-K14D, but the circuit and the electronic construction do not change, declared by the manufacturer.</i></p> |   |

| <b>Technical Characteristics of EUT</b> |              |
|---|--------------|
| Rated Voltage:                          | 110-240VAC   |
| Rated Current:                          | 10A          |
| Rated Power:                            | /            |
| Power Adaptor Model:                    | /            |
| Highest Clock Frequency:                | Below 108MHz |



## 1.2 Test Standards

The tests were performed according to following standards:

**AS/NZS CISPR 15:2025:** Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.

**Maintenance of compliance** is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the emission/immunity should be checked to ensure compliance has been maintained.

## 1.3 Test Methodology

All measurements contained in this report were conducted with the standards AS CISPR 15 for general lighting purposes equipment, and all related testing and measurement techniques intentional standards.

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## 1.4 EUT Setup and Operation Mode

The equipment under test (EUT) was configured to measure its highest possible emission. The test modes were adapted according to the operation manual for use, more detailed description as follows:

| <b>Test Mode List</b> |                |  |                   |  |
|-----------------------|----------------|--|-------------------|--|
| Test Mode             | Description    | Remark   | Power Supply Mode |  |
| TM1                   | Normal working | Connect to the AC Cable;<br>EUT Model: WS-K14D | AC230V            |  |
| TM2                   | Standby mode   | Connect to the AC Cable;<br>EUT Model: WS-K14D | AC230V            |  |
| TM3                   | Normal working | Connect to the AC Cable;<br>EUT Model: WS-K13D | AC230V            |  |
| TM4                   | Standby mode   | Connect to the AC Cable;<br>EUT Model: WS-K13D | AC230V            |  |
| TM5                   | Normal working | Connect to the AC Cable;<br>EUT Model: WS-K12D | AC230V            |  |
| TM6                   | Standby mode   | Connect to the AC Cable;<br>EUT Model: WS-K12D | AC230V            |  |

| <b>EUT Cable List and Details</b> |            |                     |                        |                     |
|-----------------------------------|------------|---------------------|------------------------|---------------------|
| Cable Description                 | Length (m) | Shielded/Unshielded | With / Without Ferrite | With / Without Chip |
| /                                 | /          | /                   | /                      | /                   |

| <b>Special Cable List and Details</b> |            |                     |                        |                     |
|---------------------------------------|------------|---------------------|------------------------|---------------------|
| Cable Description                     | Length (m) | Shielded/Unshielded | With / Without Ferrite | With / Without Chip |
| AC Cable                              | 1.0        | Unshielded          | Without Ferrite        | Without Chip        |

| <b>Auxiliary Equipment List and Details</b> |              |       |               |   |
|---|--------------|-------|---------------|---|
| Description                                 | Manufacturer | Model | Serial Number |   |
| /   | /            | /     | /             | / |



## 1.5 Test Equipment List and Details

| Description  | Manufacturer    | Model       | Serial No.             | Cal. Date  | Due. Date  |
|--|-----------------|-------------|------------------------|------------|------------|
| <input type="checkbox"/> Chamber A:Below 1GHz            |                 |             |                        |            |            |
| Spectrum Analyzer  | Rohde & Schwarz | FSP30       | 836079/035             | 2025-02-23 | 2026-02-22 |
| EMI Test Receiver  | Rohde & Schwarz | ESPI        | 101611                 | 2025-02-23 | 2026-02-22 |
| Trilog Broadband Antenna                                 | Schwarz beck    | VULB9163    | 9163-333               | 2023-03-20 | 2026-03-19 |
| Amplifier  | HP              | 8447F       | 2805A03475             | 2025-02-23 | 2026-02-22 |
| EMI Test Software (Radiated Emission A)                  | Farad           | EZ-EMC      | RA-03A1<br>(1.1.4.2)   | /          | /          |
| <input type="checkbox"/> Chamber A:Above 1GHz            |                 |             |                        |            |            |
| Amplifier  | C&D             | PAP-1G18    | 2002                   | 2025-02-23 | 2026-02-22 |
| Horn Antenna   | ETS             | 3117        | 00086197               | 2025-02-23 | 2026-02-22 |
| Spectrum Analyzer  | Rohde & Schwarz | FSP30       | 836079/035             | 2025-02-23 | 2026-02-22 |
| EMI Test Software (Radiated Emission A)                  | Farad           | EZ-EMC      | RA-03A1<br>(1.1.4.2)   | /          | /          |
| <input type="checkbox"/> Chamber B:Below 1GHz            |                 |             |                        |            |            |
| Trilog Broadband Antenna                                 | Schwarz beck    | VULB9163(B) | 9163-635               | 2024-03-17 | 2027-03-16 |
| Amplifier  | Agilent         | 8447D       | 2944A10457             | 2025-02-23 | 2026-02-22 |
| EMI Test Receiver  | Rohde & Schwarz | ESPI        | 101391                 | 2025-02-23 | 2026-02-22 |
| EMI Test Software (Radiated Emission B)                  | Farad           | EZ-EMC      | RA-03A1<br>(1.1.4.2)   | /          | /          |
| <input checked="" type="checkbox"/> Chamber C:Below 1GHz |                 |             |                        |            |            |
| EMI Test Receiver  | Rohde & Schwarz | ESIB 26     | 100401                 | 2025-02-23 | 2026-02-22 |
| Trilog Broadband Antenna                                 | Schwarz beck    | VULB 9168   | 1194                   | 2024-04-18 | 2027-04-17 |
| Amplifier  | HP              | 8447F       | 2944A03869             | 2025-02-23 | 2026-02-22 |
| EMI Test Software (Radiated Emission C)                  | Farad           | EZ-EMC      | RA-03A1-2<br>(1.1.4.2) | /          | /          |
| <input checked="" type="checkbox"/> Chamber C:Above 1GHz |                 |             |                        |            |            |
| Horn Antenna   | POAM            | RTF-118A    | 1820                   | 2025-06-13 | 2027-06-12 |
| Amplifier  | Tonscend        | TAP01018050 | AP22E806235            | 2025-02-23 | 2026-02-22 |
| EMI Test Receiver  | Rohde & Schwarz | ESIB 26     | 100401                 | 2025-02-23 | 2026-02-22 |
| EMI Test Software (Radiated Emission C)                  | Farad           | EZ-EMC      | RA-03A1-2<br>(1.1.4.2) | /          | /          |
| <input type="checkbox"/> Conducted Room 1#               |                 |             |                        |            |            |



|  |                 |          |                      |            |            |
|--|-----------------|----------|----------------------|------------|------------|
| EMI Test Receiver  | Rohde & Schwarz | ESCI     | 100525               | 2024-12-08 | 2025-12-07 |
| Pulse Limiter  | Rohde & Schwarz | ESH3-Z2  | 100911               | 2025-02-23 | 2026-02-22 |
| AC LISN  | Schwarz beck    | NSLK8126 | 8126-279             | 2025-02-23 | 2026-02-22 |
| 8-WIRE ISN CAT5  | Schwarz beck    | 8158     | CAT5-8158-0117       | 2025-02-23 | 2026-02-22 |
| EMI Test Software<br>(Conducted<br>Emission Room 1#)                                   | Farad           | EZ-EMC   | 3A1*CE-RE<br>1.1.4.3 | /          | /          |
| <input checked="" type="checkbox"/> Conducted Room 2#                                  |                 |          |                      |            |            |
| EMI Test Receiver  | Rohde & Schwarz | ESPI     | 101259               | 2025-02-23 | 2026-02-22 |
| LISN   | Rohde & Schwarz | ENV 216  | 100097               | 2025-02-23 | 2026-02-22 |
| EMI Test Software<br>(Conducted<br>Emission Room 2#)                                   | Farad           | EZ-EMC   | 3A1*CE-RE<br>1.1.4.3 | /          | /          |
| <input checked="" type="checkbox"/> Radiated Electromagnetic Disturbances (9KHz-30MHz) |                 |          |                      |            |            |
| Loop Antenna   | ZHINAN          | ZN30401  | 19037                | 2025-02-23 | 2026-02-22 |
| EMI Test Receiver  | Rohde & Schwarz | ESCI     | 100525               | 2024-12-08 | 2025-12-07 |
| EMI Test Software<br>(Radiated<br>Electromagnetic<br>Disturbances)                     | Farad           | EZ-EMC   | 3A1*CE-RE<br>1.1.4.3 | /          | /          |



## 2. SUMMARY OF TEST RESULTS

| Standards       | Description of Test Item  | Result    |
|-----------------|---|-----------|
| AS/NZS CISPR 15 | Disturbance Voltages  | Compliant |
|                 | Radiated Electromagnetic Disturbances (Frequency range 9kHz to 30MHz)   | Compliant |
|                 | Radiated Electromagnetic Disturbances (Frequency range 30MHz to 300MHz) | Compliant |

N/A: not applicable

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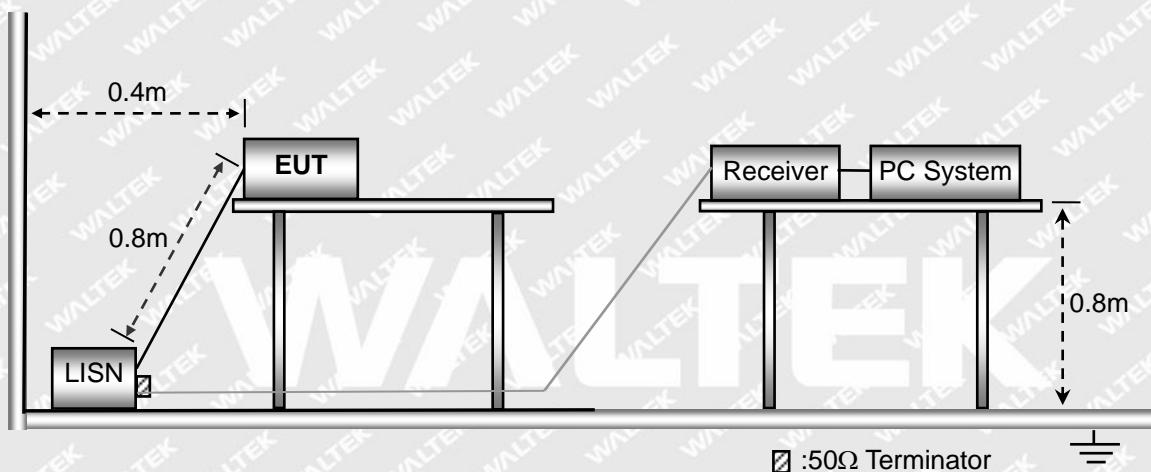
### 3. Conducted Emission

#### 3.1 Measurement Uncertainty

Base on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement

| Measurement uncertainty |            |  |
|-------------------------|------------|--|
| Parameter               | Conditions | Uncertainty                            |
| Conducted Emissions     | Conducted  | 9-150kHz ±3.74dB<br>0.15-30MHz ±3.34dB |

#### 3.2 Basic Test Setup Block Diagram



#### 3.3 Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 26 °C     |
| Relative Humidity: | 60 %      |
| ATM Pressure:      | 1015 mbar |

#### 3.4 Summary of Test Results

Please find the results below:

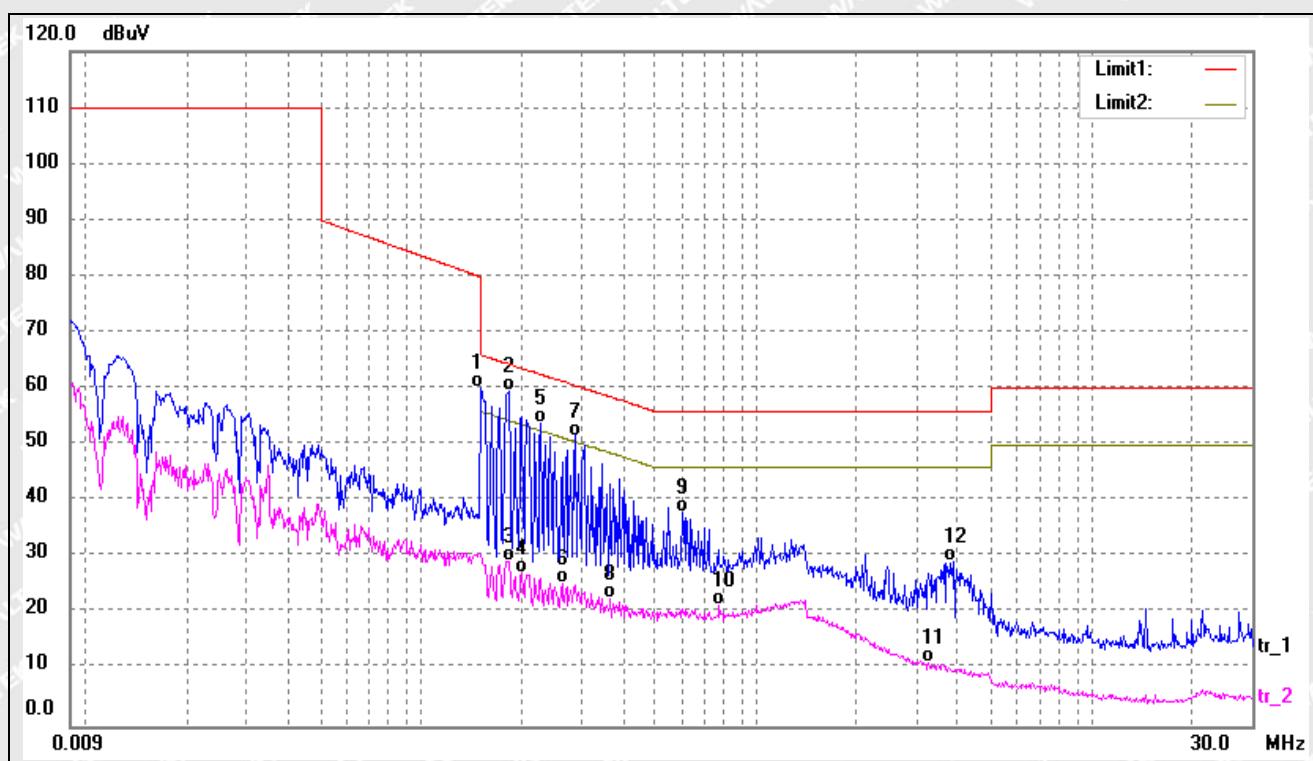


Test mode:

TM1

Polarity:

Neutral



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1   | 0.1500             | 50.62             | 9.43            | 60.05            | 65.99           | -5.94          | QP       |
| 2*  | 0.1819             | 49.85             | 9.56            | 59.41            | 64.39           | -4.98          | QP       |
| 3   | 0.1819             | 19.82             | 9.56            | 29.38            | 54.39           | -25.01         | AVG      |
| 4   | 0.1980             | 17.48             | 9.62            | 27.10            | 53.69           | -26.59         | AVG      |
| 5   | 0.2260             | 44.34             | 9.63            | 53.97            | 62.59           | -8.62          | QP       |
| 6   | 0.2620             | 15.70             | 9.63            | 25.33            | 51.36           | -26.03         | AVG      |
| 7   | 0.2860             | 41.97             | 9.63            | 51.60            | 60.64           | -9.04          | QP       |
| 8   | 0.3660             | 12.95             | 9.64            | 22.59            | 48.59           | -26.00         | AVG      |
| 9   | 0.6020             | 28.31             | 9.69            | 38.00            | 56.00           | -18.00         | QP       |
| 10  | 0.7780             | 11.73             | 9.75            | 21.48            | 46.00           | -24.52         | AVG      |
| 11  | 3.2740             | 1.79              | 9.41            | 11.20            | 46.00           | -34.80         | AVG      |
| 12  | 3.8540             | 19.67             | 9.45            | 29.12            | 56.00           | -26.88         | QP       |

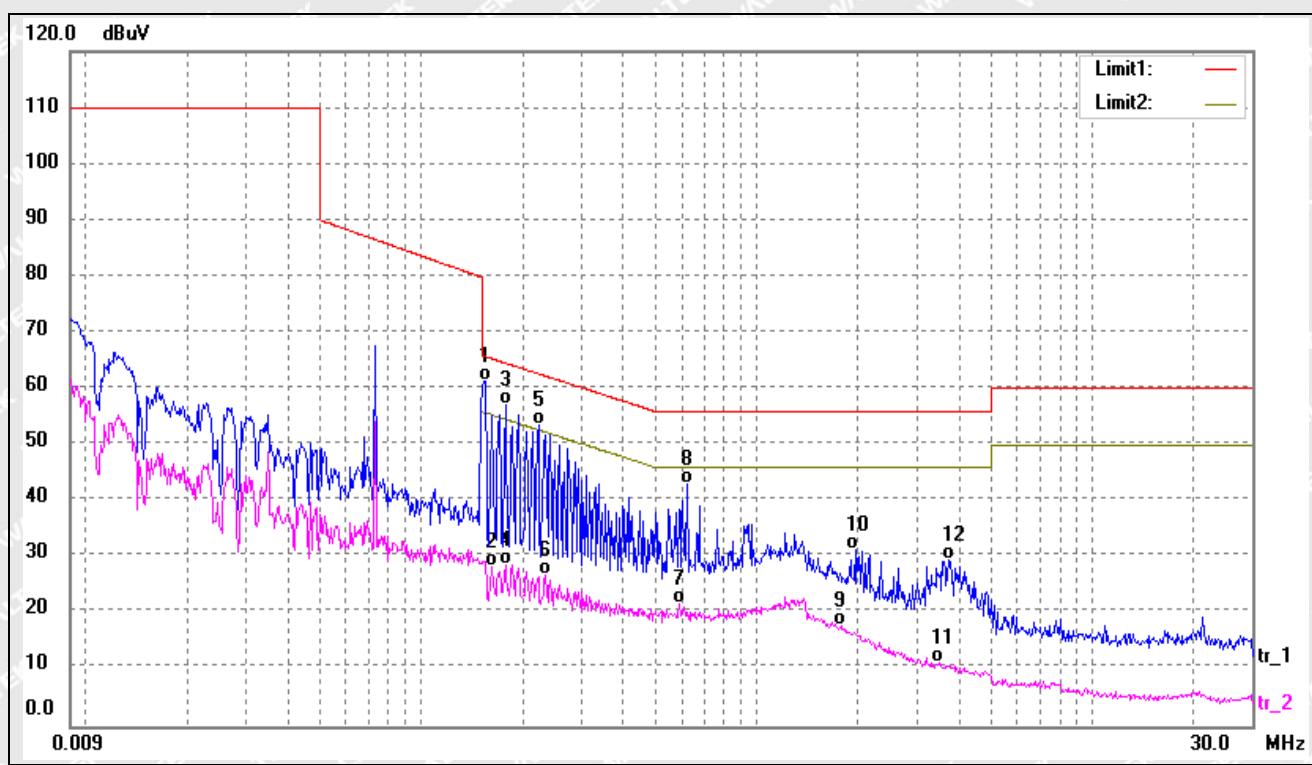


Test mode:

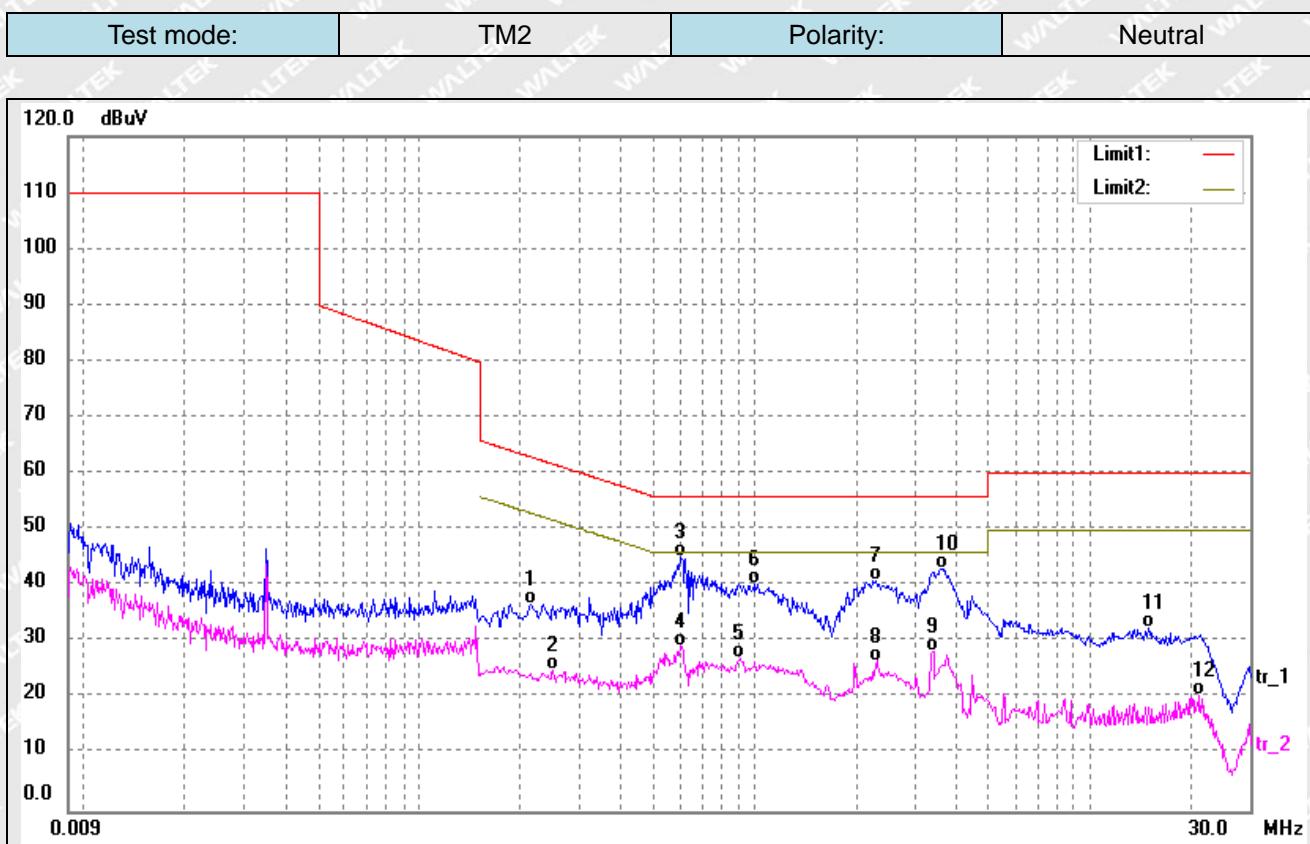
TM1

Polarity:

Line



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1*  | 0.1539             | 51.96             | 9.45            | 61.41            | 65.78           | -4.37          | QP       |
| 2   | 0.1620             | 18.77             | 9.48            | 28.25            | 55.36           | -27.11         | AVG      |
| 3   | 0.1780             | 47.53             | 9.54            | 57.07            | 64.57           | -7.50          | QP       |
| 4   | 0.1780             | 19.08             | 9.54            | 28.62            | 54.57           | -25.95         | AVG      |
| 5   | 0.2220             | 43.94             | 9.63            | 53.57            | 62.74           | -9.17          | QP       |
| 6   | 0.2340             | 17.35             | 9.63            | 26.98            | 52.30           | -25.32         | AVG      |
| 7   | 0.5899             | 12.13             | 9.69            | 21.82            | 46.00           | -24.18         | AVG      |
| 8   | 0.6260             | 33.39             | 9.70            | 43.09            | 56.00           | -12.91         | QP       |
| 9   | 1.7940             | 8.31              | 9.44            | 17.75            | 46.00           | -28.25         | AVG      |
| 10  | 1.9740             | 21.98             | 9.37            | 31.35            | 56.00           | -24.65         | QP       |
| 11  | 3.4980             | 1.88              | 9.42            | 11.30            | 46.00           | -34.70         | AVG      |
| 12  | 3.7460             | 20.08             | 9.45            | 29.53            | 56.00           | -26.47         | QP       |



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1   | 0.2140             | 27.04             | 9.63            | 36.67            | 63.04           | -26.37         | QP       |
| 2   | 0.2500             | 15.39             | 9.63            | 25.02            | 51.75           | -26.73         | AVG      |
| 3*  | 0.6020             | 35.42             | 9.69            | 45.11            | 56.00           | -10.89         | QP       |
| 4   | 0.6100             | 19.61             | 9.69            | 29.30            | 46.00           | -16.70         | AVG      |
| 5   | 0.9060             | 17.36             | 9.75            | 27.11            | 46.00           | -18.89         | AVG      |
| 6   | 1.0260             | 30.71             | 9.75            | 40.46            | 56.00           | -15.54         | QP       |
| 7   | 2.2700             | 31.58             | 9.37            | 40.95            | 56.00           | -15.05         | QP       |
| 8   | 2.3140             | 17.32             | 9.38            | 26.70            | 46.00           | -19.30         | AVG      |
| 9   | 3.4220             | 19.07             | 9.42            | 28.49            | 46.00           | -17.51         | AVG      |
| 10  | 3.5860             | 33.75             | 9.44            | 43.19            | 56.00           | -12.81         | QP       |
| 11  | 15.0100            | 23.10             | 9.51            | 32.61            | 60.00           | -27.39         | QP       |
| 12  | 21.2780            | 11.00             | 9.54            | 20.54            | 50.00           | -29.46         | AVG      |

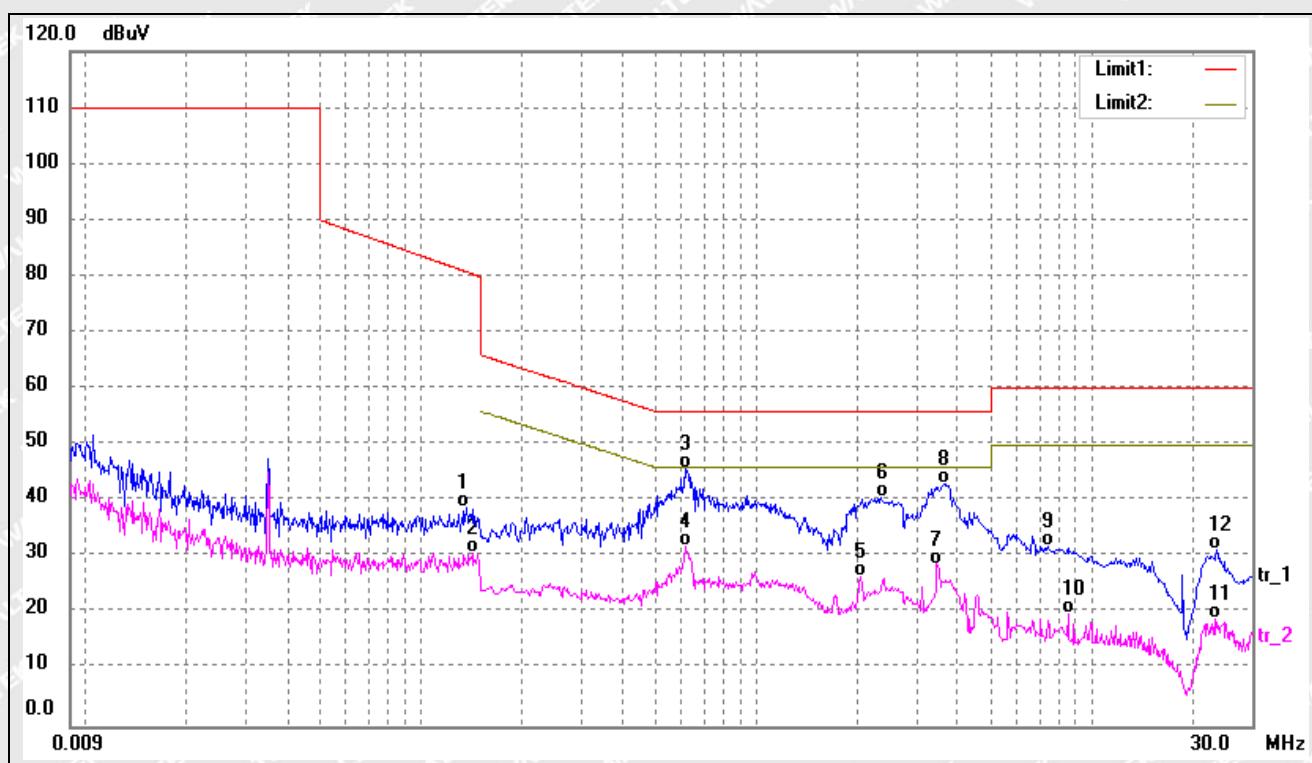


Test mode:

TM2

Polarity:

Line



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1   | 0.1373             | 29.29             | 9.44            | 38.73            | 80.80           | -42.07         | QP       |
| 2   | 0.1420             | 21.22             | 9.44            | 30.66            | 56.45           | -25.79         | AVG      |
| 3*  | 0.6140             | 36.00             | 9.70            | 45.70            | 56.00           | -10.30         | QP       |
| 4   | 0.6140             | 22.32             | 9.70            | 32.02            | 46.00           | -13.98         | AVG      |
| 5   | 2.0420             | 17.07             | 9.36            | 26.43            | 46.00           | -19.57         | AVG      |
| 6   | 2.3500             | 31.14             | 9.38            | 40.52            | 56.00           | -15.48         | QP       |
| 7   | 3.4580             | 19.38             | 9.42            | 28.80            | 46.00           | -17.20         | AVG      |
| 8   | 3.6300             | 33.65             | 9.44            | 43.09            | 56.00           | -12.91         | QP       |
| 9   | 7.4100             | 22.21             | 9.79            | 32.00            | 60.00           | -28.00         | QP       |
| 10  | 8.4980             | 10.25             | 9.80            | 20.05            | 50.00           | -29.95         | AVG      |
| 11  | 23.1660            | 9.49              | 9.54            | 19.03            | 50.00           | -30.97         | AVG      |
| 12  | 23.5500            | 21.77             | 9.54            | 31.31            | 60.00           | -28.69         | QP       |

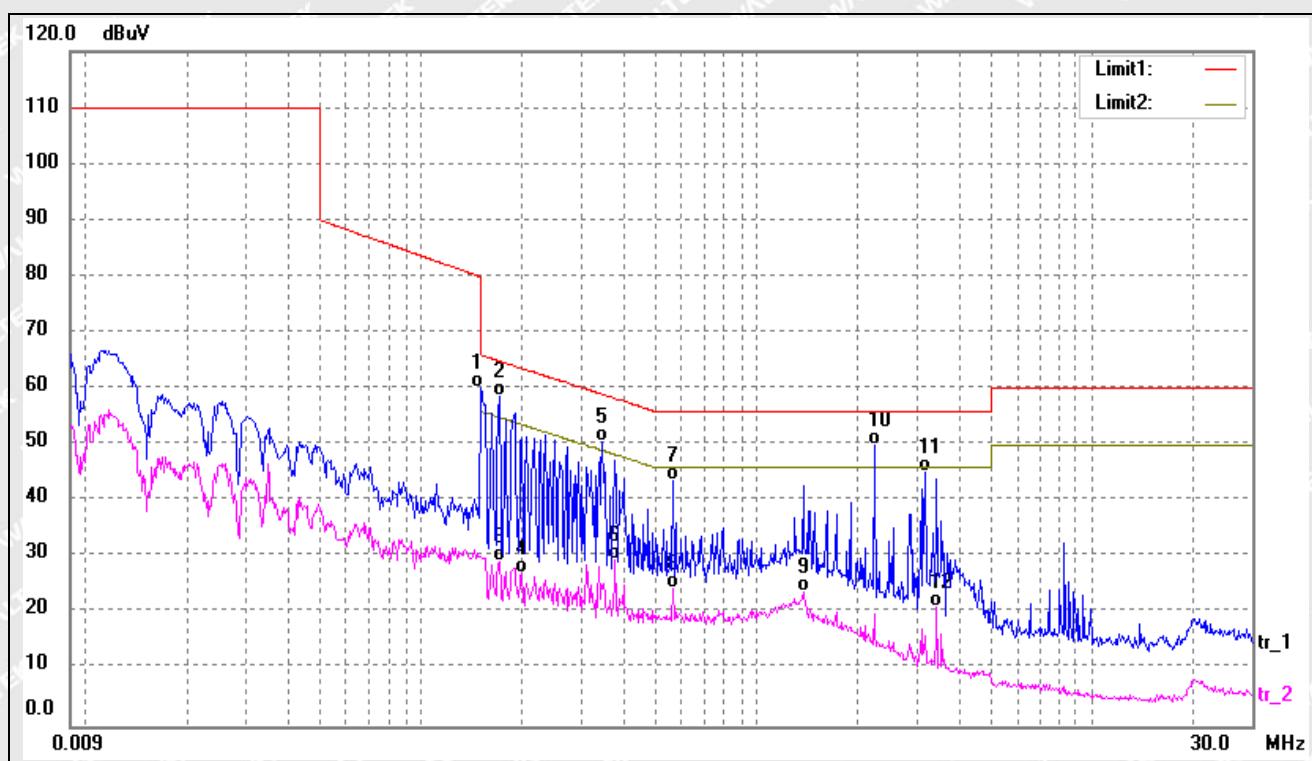


Test mode:

TM3

Polarity:

Neutral



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1*  | 0.1500             | 50.73             | 9.53            | 60.26            | 65.99           | -5.73          | QP       |
| 2   | 0.1700             | 48.92             | 9.61            | 58.53            | 64.96           | -6.43          | QP       |
| 3   | 0.1700             | 19.65             | 9.61            | 29.26            | 54.96           | -25.70         | AVG      |
| 4   | 0.1980             | 17.37             | 9.72            | 27.09            | 53.69           | -26.60         | AVG      |
| 5   | 0.3460             | 41.05             | 9.58            | 50.63            | 59.06           | -8.43          | QP       |
| 6   | 0.3780             | 19.99             | 9.56            | 29.55            | 48.32           | -18.77         | AVG      |
| 7   | 0.5660             | 34.25             | 9.48            | 43.73            | 56.00           | -12.27         | QP       |
| 8   | 0.5660             | 14.99             | 9.48            | 24.47            | 46.00           | -21.53         | AVG      |
| 9   | 1.3860             | 14.21             | 9.65            | 23.86            | 46.00           | -22.14         | AVG      |
| 10  | 2.2540             | 40.17             | 9.91            | 50.08            | 56.00           | -5.92          | QP       |
| 11  | 3.1860             | 35.35             | 9.71            | 45.06            | 56.00           | -10.94         | QP       |
| 12  | 3.4460             | 11.59             | 9.66            | 21.25            | 46.00           | -24.75         | AVG      |

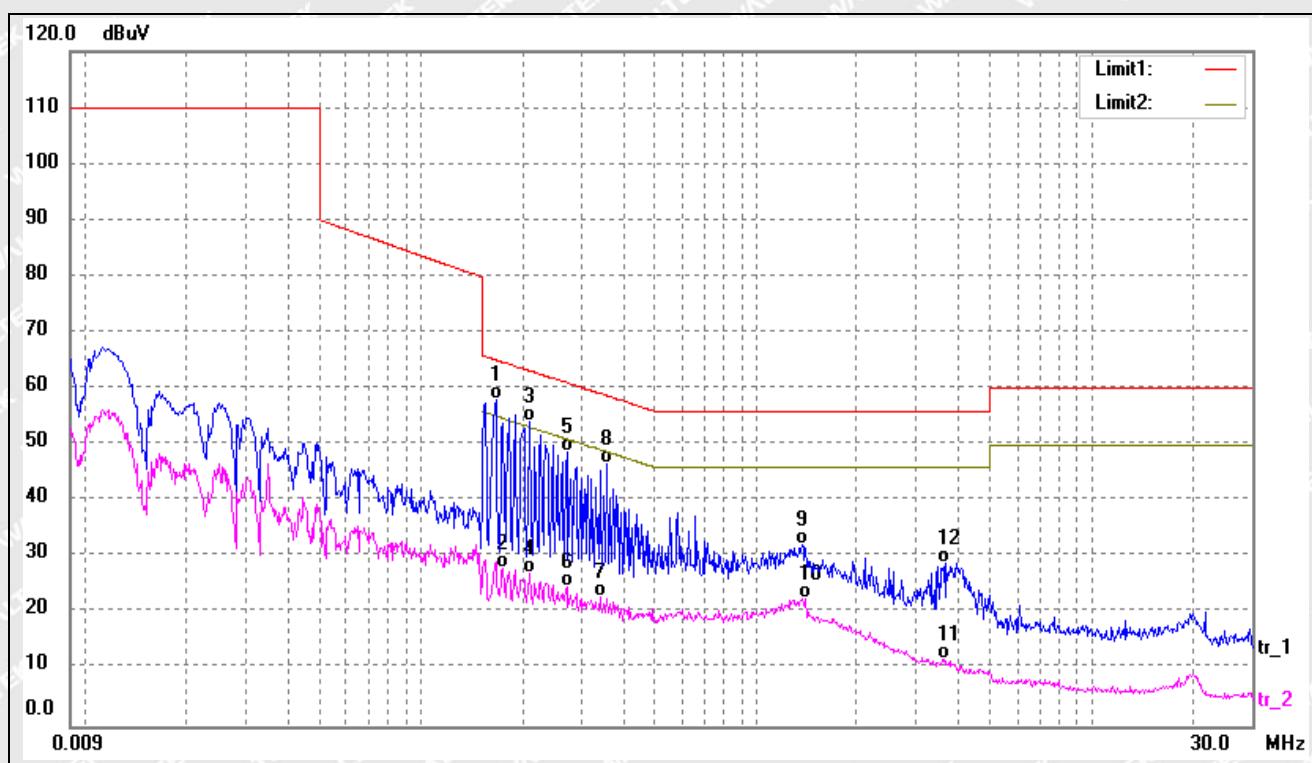


Test mode:

TM3

Polarity:

Line



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1*  | 0.1660             | 48.56             | 9.59            | 58.15            | 65.15           | -7.00          | QP       |
| 2   | 0.1740             | 18.37             | 9.63            | 28.00            | 54.76           | -26.76         | AVG      |
| 3   | 0.2100             | 44.36             | 9.72            | 54.08            | 63.20           | -9.12          | QP       |
| 4   | 0.2100             | 17.47             | 9.72            | 27.19            | 53.20           | -26.01         | AVG      |
| 5   | 0.2700             | 39.02             | 9.66            | 48.68            | 61.12           | -12.44         | QP       |
| 6   | 0.2700             | 15.23             | 9.66            | 24.89            | 51.12           | -26.23         | AVG      |
| 7   | 0.3420             | 13.40             | 9.59            | 22.99            | 49.15           | -26.16         | AVG      |
| 8   | 0.3580             | 37.16             | 9.58            | 46.74            | 58.77           | -12.03         | QP       |
| 9   | 1.3700             | 22.71             | 9.65            | 32.36            | 56.00           | -23.64         | QP       |
| 10  | 1.3980             | 12.91             | 9.66            | 22.57            | 46.00           | -23.43         | AVG      |
| 11  | 3.6140             | 2.26              | 9.64            | 11.90            | 46.00           | -34.10         | AVG      |
| 12  | 3.6780             | 19.39             | 9.62            | 29.01            | 56.00           | -26.99         | QP       |

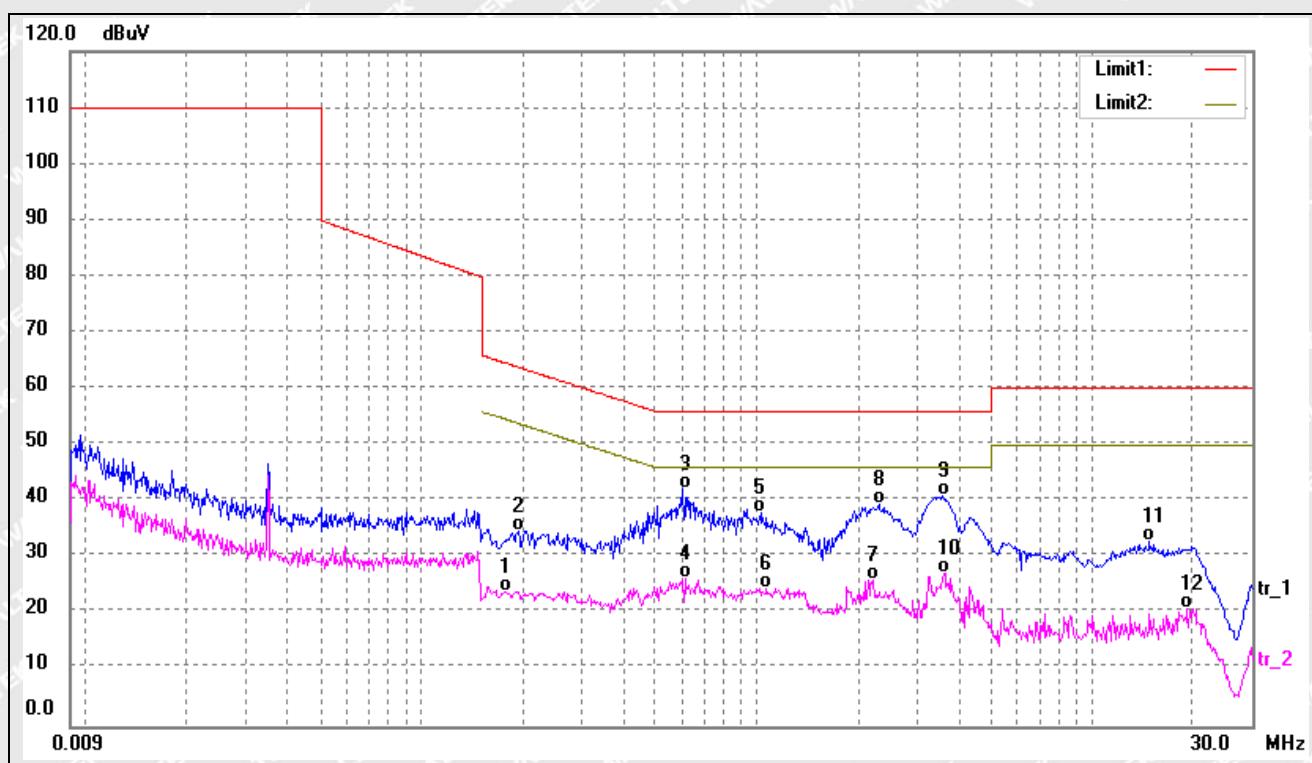


Test mode:

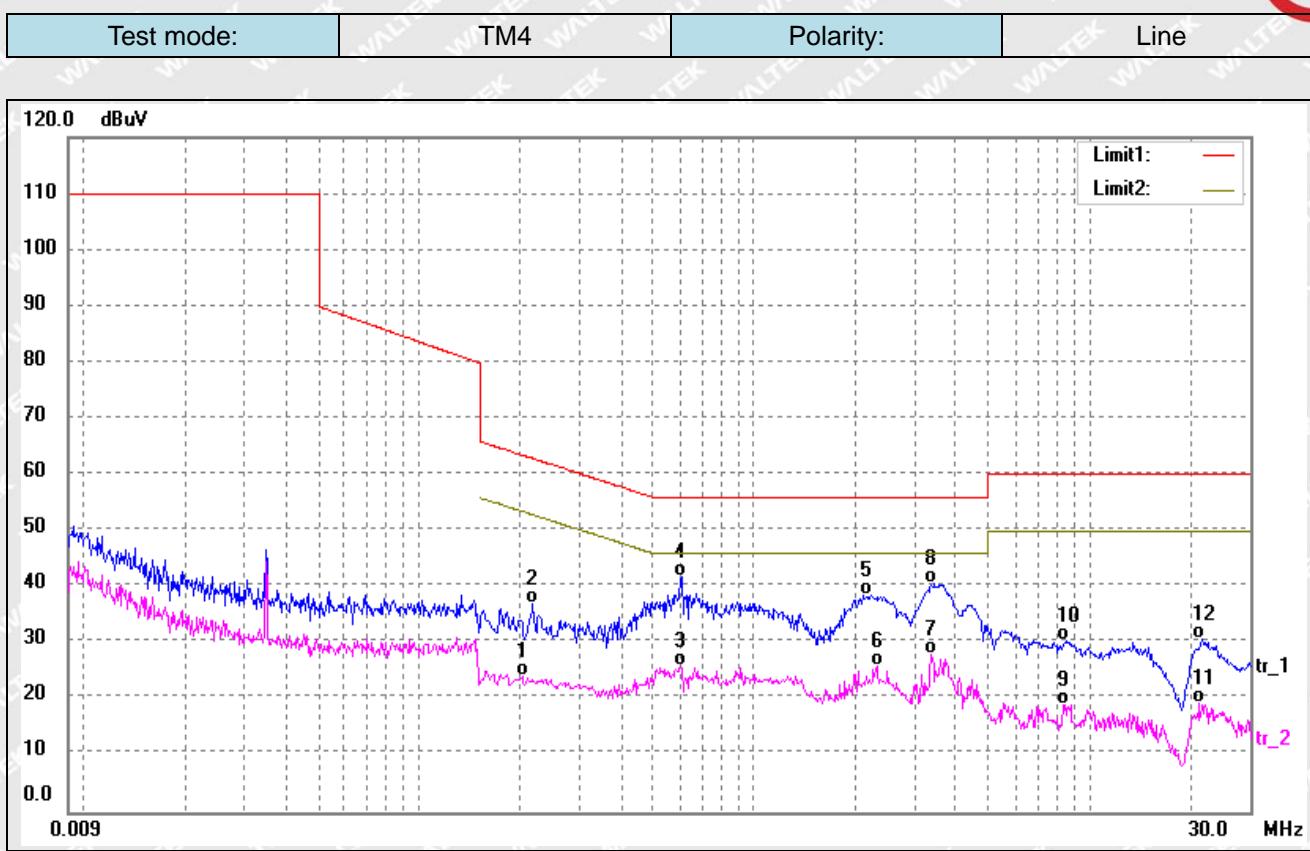
TM4

Polarity:

Neutral



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1   | 0.1780             | 14.33             | 9.64            | 23.97            | 54.57           | -30.60         | AVG      |
| 2   | 0.1940             | 25.08             | 9.71            | 34.79            | 63.86           | -29.07         | QP       |
| 3*  | 0.6060             | 32.66             | 9.49            | 42.15            | 56.00           | -13.85         | QP       |
| 4   | 0.6140             | 16.90             | 9.50            | 26.40            | 46.00           | -19.60         | AVG      |
| 5   | 1.0420             | 28.35             | 9.48            | 37.83            | 56.00           | -18.17         | QP       |
| 6   | 1.0700             | 15.07             | 9.50            | 24.57            | 46.00           | -21.43         | AVG      |
| 7   | 2.2220             | 15.97             | 9.92            | 25.89            | 46.00           | -20.11         | AVG      |
| 8   | 2.3300             | 29.45             | 9.89            | 39.34            | 56.00           | -16.66         | QP       |
| 9   | 3.6100             | 31.23             | 9.64            | 40.87            | 56.00           | -15.13         | QP       |
| 10  | 3.6500             | 17.58             | 9.63            | 27.21            | 46.00           | -18.79         | AVG      |
| 11  | 14.9020            | 23.31             | 9.61            | 32.92            | 60.00           | -27.08         | QP       |
| 12  | 19.2979            | 11.02             | 9.81            | 20.83            | 50.00           | -29.17         | AVG      |



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1   | 0.2020             | 14.30             | 9.73            | 24.03            | 53.52           | -29.49         | AVG      |
| 2   | 0.2179             | 27.23             | 9.71            | 36.94            | 62.89           | -25.95         | QP       |
| 3   | 0.6059             | 16.60             | 9.49            | 26.09            | 46.00           | -19.91         | AVG      |
| 4*  | 0.6099             | 32.22             | 9.50            | 41.72            | 56.00           | -14.28         | QP       |
| 5   | 2.1259             | 28.66             | 9.93            | 38.59            | 56.00           | -17.41         | QP       |
| 6   | 2.3260             | 16.13             | 9.89            | 26.02            | 46.00           | -19.98         | AVG      |
| 7   | 3.3820             | 18.31             | 9.67            | 27.98            | 46.00           | -18.02         | AVG      |
| 8   | 3.4620             | 30.88             | 9.66            | 40.54            | 56.00           | -15.46         | QP       |
| 9   | 8.3859             | 9.37              | 9.75            | 19.12            | 50.00           | -30.88         | AVG      |
| 10  | 8.5020             | 20.59             | 9.75            | 30.34            | 60.00           | -29.66         | QP       |
| 11  | 21.2300            | 9.49              | 9.88            | 19.37            | 50.00           | -30.63         | AVG      |
| 12  | 21.6340            | 20.72             | 9.89            | 30.61            | 60.00           | -29.39         | QP       |

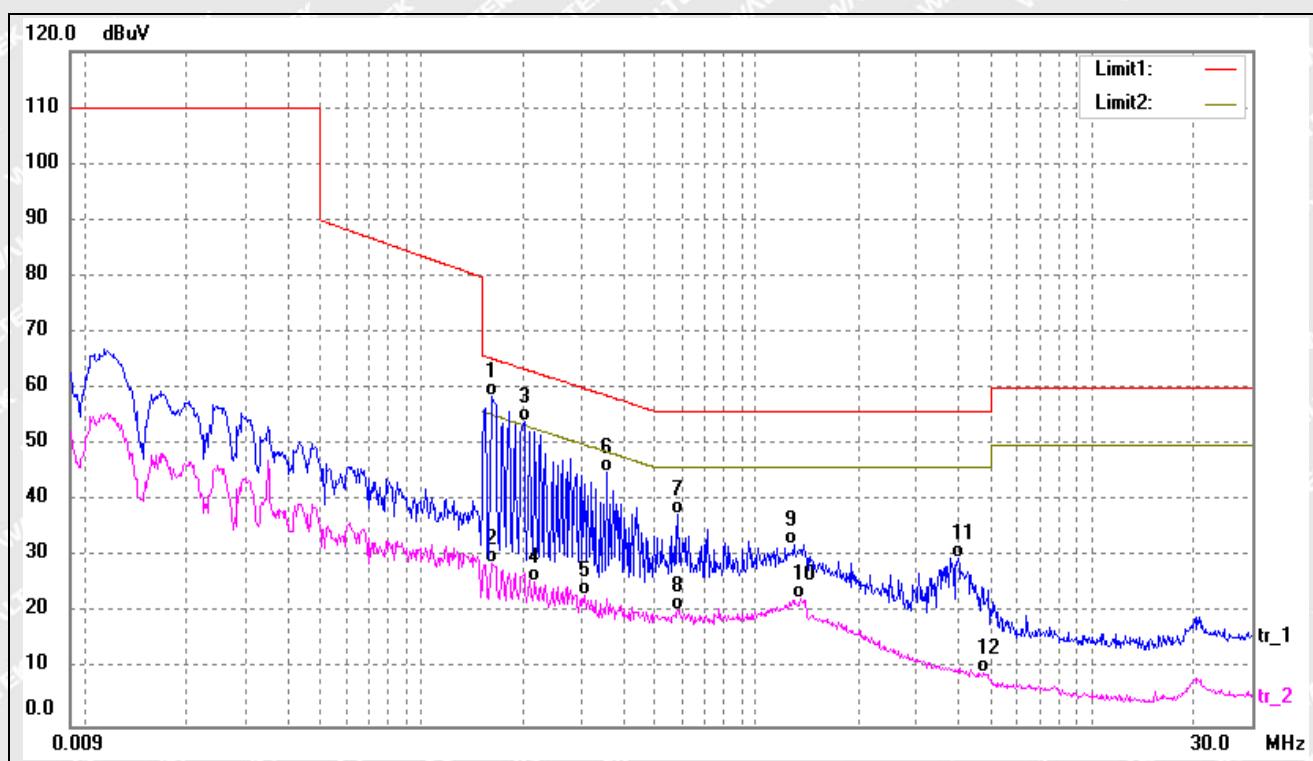


Test mode:

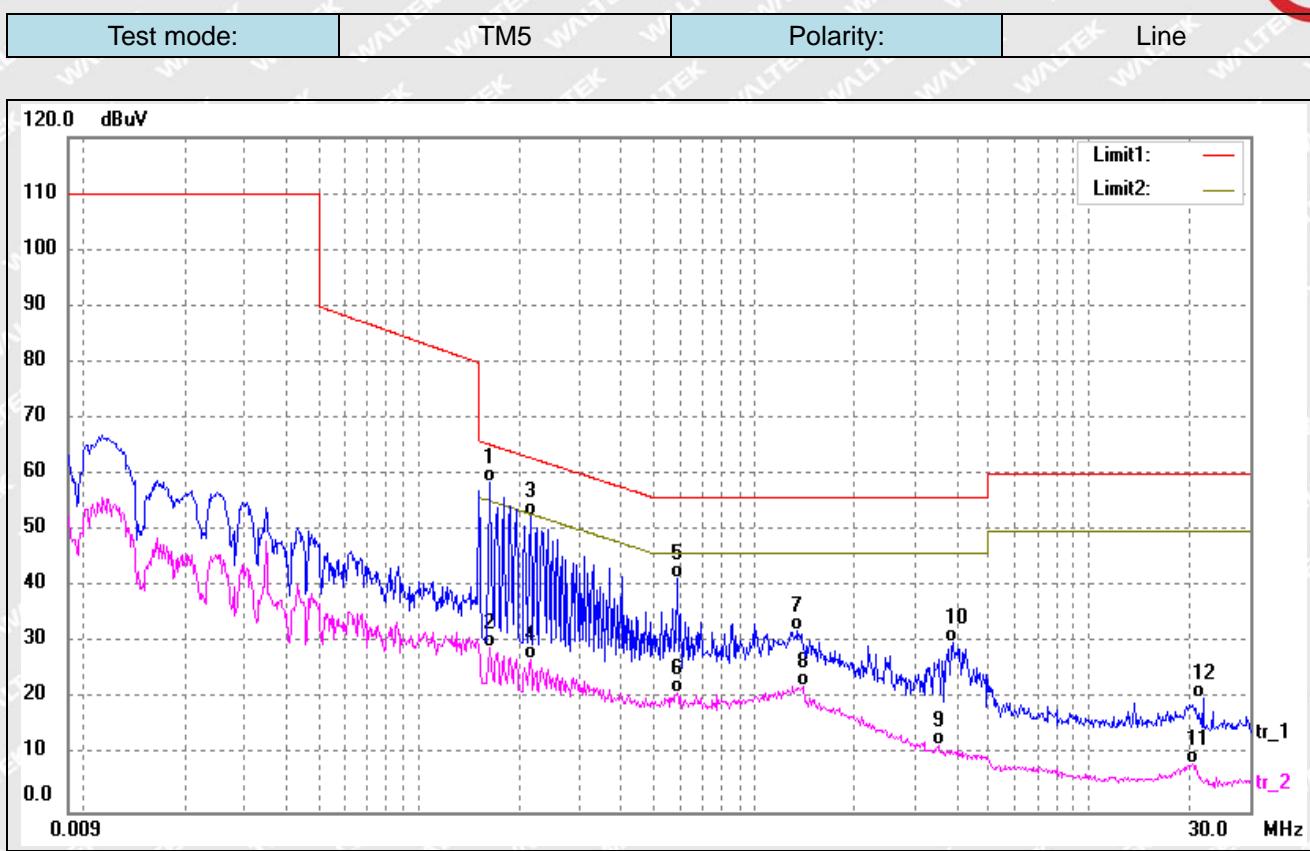
TM5

Polarity:

Neutral



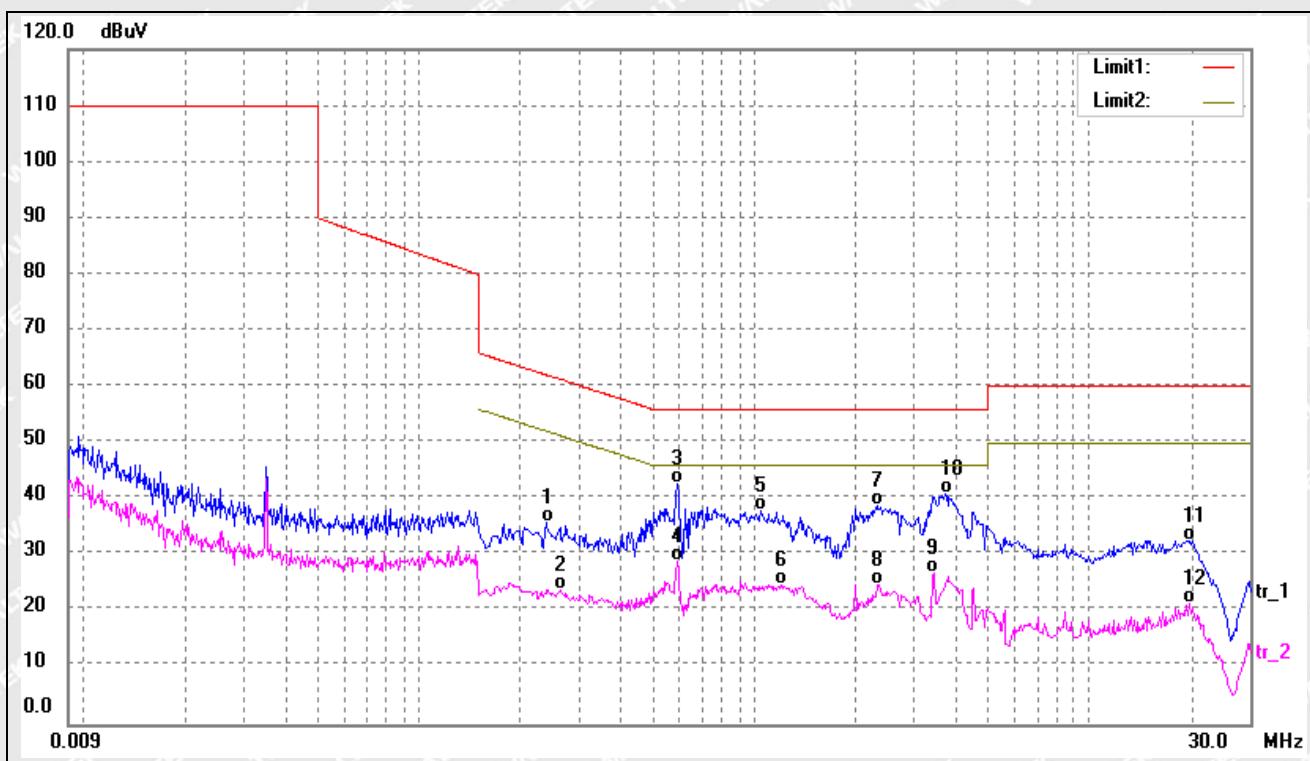
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1*  | 0.1620             | 49.08             | 9.58            | 58.66            | 65.36           | -6.70          | QP       |
| 2   | 0.1620             | 19.36             | 9.58            | 28.94            | 55.36           | -26.42         | AVG      |
| 3   | 0.2020             | 44.45             | 9.73            | 54.18            | 63.52           | -9.34          | QP       |
| 4   | 0.2180             | 16.06             | 9.71            | 25.77            | 52.89           | -27.12         | AVG      |
| 5   | 0.3060             | 13.58             | 9.62            | 23.20            | 50.08           | -26.88         | AVG      |
| 6   | 0.3580             | 35.49             | 9.58            | 45.07            | 58.77           | -13.70         | QP       |
| 7   | 0.5860             | 28.03             | 9.49            | 37.52            | 56.00           | -18.48         | QP       |
| 8   | 0.5899             | 11.08             | 9.49            | 20.57            | 46.00           | -25.43         | AVG      |
| 9   | 1.2980             | 22.77             | 9.61            | 32.38            | 56.00           | -23.62         | QP       |
| 10  | 1.3619             | 13.13             | 9.64            | 22.77            | 46.00           | -23.23         | AVG      |
| 11  | 4.0020             | 20.21             | 9.56            | 29.77            | 56.00           | -26.23         | QP       |
| 12  | 4.7940             | -0.18             | 9.60            | 9.42             | 46.00           | -36.58         | AVG      |



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1*  | 0.1620             | 49.17             | 9.58            | 58.75            | 65.36           | -6.61          | QP       |
| 2   | 0.1620             | 19.61             | 9.58            | 29.19            | 55.36           | -26.17         | AVG      |
| 3   | 0.2140             | 43.01             | 9.72            | 52.73            | 63.04           | -10.31         | QP       |
| 4   | 0.2140             | 17.55             | 9.72            | 27.27            | 53.04           | -25.77         | AVG      |
| 5   | 0.5899             | 32.15             | 9.49            | 41.64            | 56.00           | -14.36         | QP       |
| 6   | 0.5899             | 11.63             | 9.49            | 21.12            | 46.00           | -24.88         | AVG      |
| 7   | 1.3460             | 22.49             | 9.63            | 32.12            | 56.00           | -23.88         | QP       |
| 8   | 1.3980             | 12.69             | 9.66            | 22.35            | 46.00           | -23.65         | AVG      |
| 9   | 3.5260             | 2.13              | 9.65            | 11.78            | 46.00           | -34.22         | AVG      |
| 10  | 3.9140             | 20.68             | 9.58            | 30.26            | 56.00           | -25.74         | QP       |
| 11  | 20.3180            | -1.28             | 9.85            | 8.57             | 50.00           | -41.43         | AVG      |
| 12  | 21.6900            | 10.28             | 9.89            | 20.17            | 60.00           | -39.83         | QP       |



|            |     |           |         |
|------------|-----|-----------|---------|
| Test mode: | TM6 | Polarity: | Neutral |
|------------|-----|-----------|---------|



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1   | 0.2380             | 26.17             | 9.69            | 35.86            | 62.16           | -26.30         | QP       |
| 2   | 0.2620             | 14.25             | 9.67            | 23.92            | 51.36           | -27.44         | AVG      |
| 3*  | 0.5899             | 33.39             | 9.49            | 42.88            | 56.00           | -13.12         | QP       |
| 4   | 0.5899             | 19.55             | 9.49            | 29.04            | 46.00           | -16.96         | AVG      |
| 5   | 1.0460             | 28.35             | 9.48            | 37.83            | 56.00           | -18.17         | QP       |
| 6   | 1.2202             | 15.27             | 9.56            | 24.83            | 46.00           | -21.17         | AVG      |
| 7   | 2.3260             | 28.88             | 9.89            | 38.77            | 56.00           | -17.23         | QP       |
| 8   | 2.3260             | 14.91             | 9.89            | 24.80            | 46.00           | -21.20         | AVG      |
| 9   | 3.4340             | 17.12             | 9.66            | 26.78            | 46.00           | -19.22         | AVG      |
| 10  | 3.7300             | 31.36             | 9.61            | 40.97            | 56.00           | -15.03         | QP       |
| 11  | 19.8340            | 22.77             | 9.83            | 32.60            | 60.00           | -27.40         | QP       |
| 12  | 19.8420            | 11.73             | 9.83            | 21.56            | 50.00           | -28.44         | AVG      |

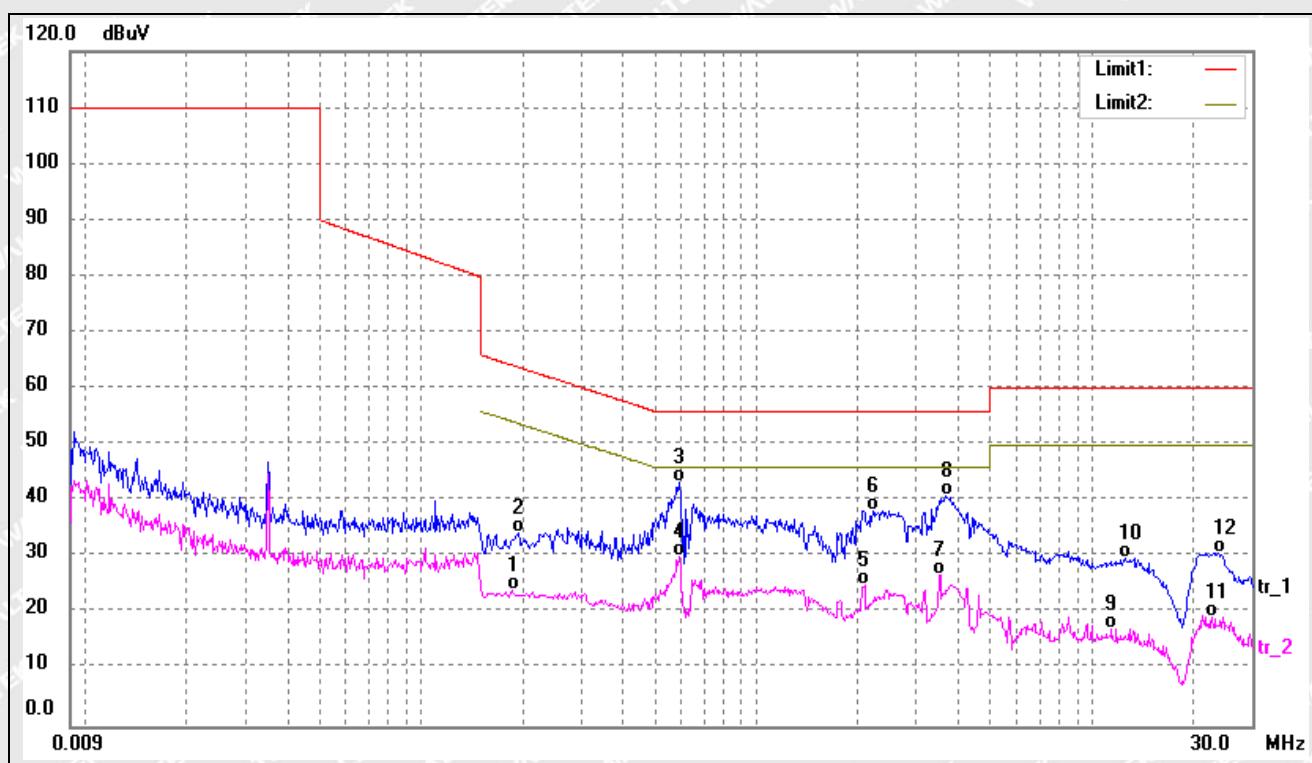


Test mode:

TM6

Polarity:

Line



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1   | 0.1860             | 14.38             | 9.67            | 24.05            | 54.21           | -30.16         | AVG      |
| 2   | 0.1940             | 24.54             | 9.71            | 34.25            | 63.86           | -29.61         | QP       |
| 3*  | 0.5899             | 33.95             | 9.49            | 43.44            | 56.00           | -12.56         | QP       |
| 4   | 0.5899             | 20.74             | 9.49            | 30.23            | 46.00           | -15.77         | AVG      |
| 5   | 2.0980             | 15.23             | 9.94            | 25.17            | 46.00           | -20.83         | AVG      |
| 6   | 2.2220             | 28.43             | 9.92            | 38.35            | 56.00           | -17.65         | QP       |
| 7   | 3.5420             | 17.25             | 9.65            | 26.90            | 46.00           | -19.10         | AVG      |
| 8   | 3.6900             | 31.21             | 9.62            | 40.83            | 56.00           | -15.17         | QP       |
| 9   | 11.4980            | 7.61              | 9.75            | 17.36            | 50.00           | -32.64         | AVG      |
| 10  | 12.6140            | 20.20             | 9.71            | 29.91            | 60.00           | -30.09         | QP       |
| 11  | 22.8779            | 9.44              | 9.93            | 19.37            | 50.00           | -30.63         | AVG      |
| 12  | 23.7700            | 20.93             | 9.95            | 30.88            | 60.00           | -29.12         | QP       |

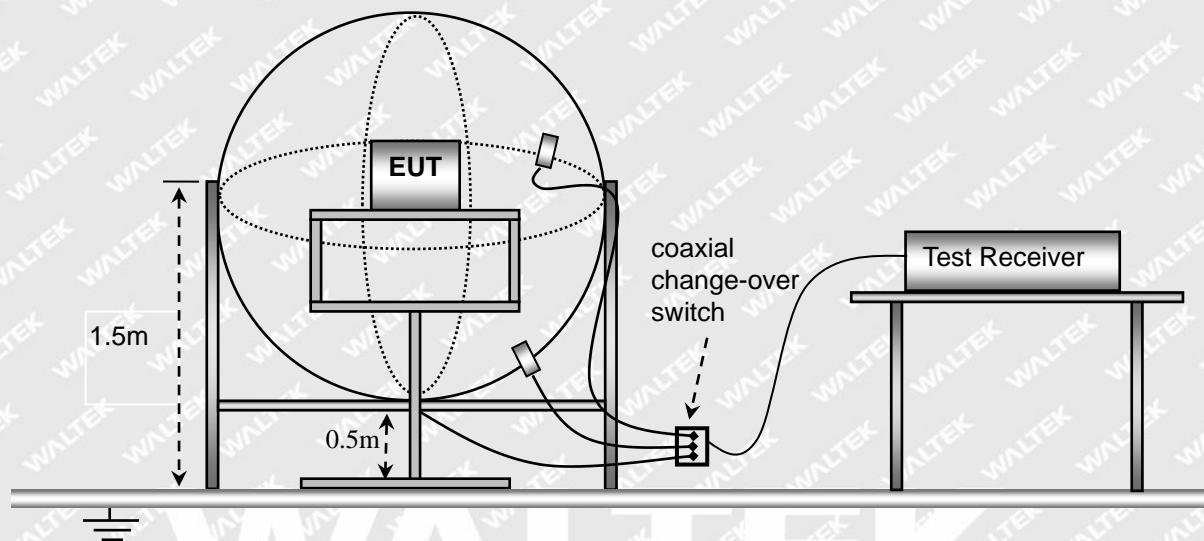


## 4. Radiated Electromagnetic Disturbances (9kHz to 30MHz)

### 4.1 Measurement Uncertainty

Base on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any radiation emissions measurement is  $\pm 3.6$  dB.

### 4.2 Basic Test Setup Block Diagram

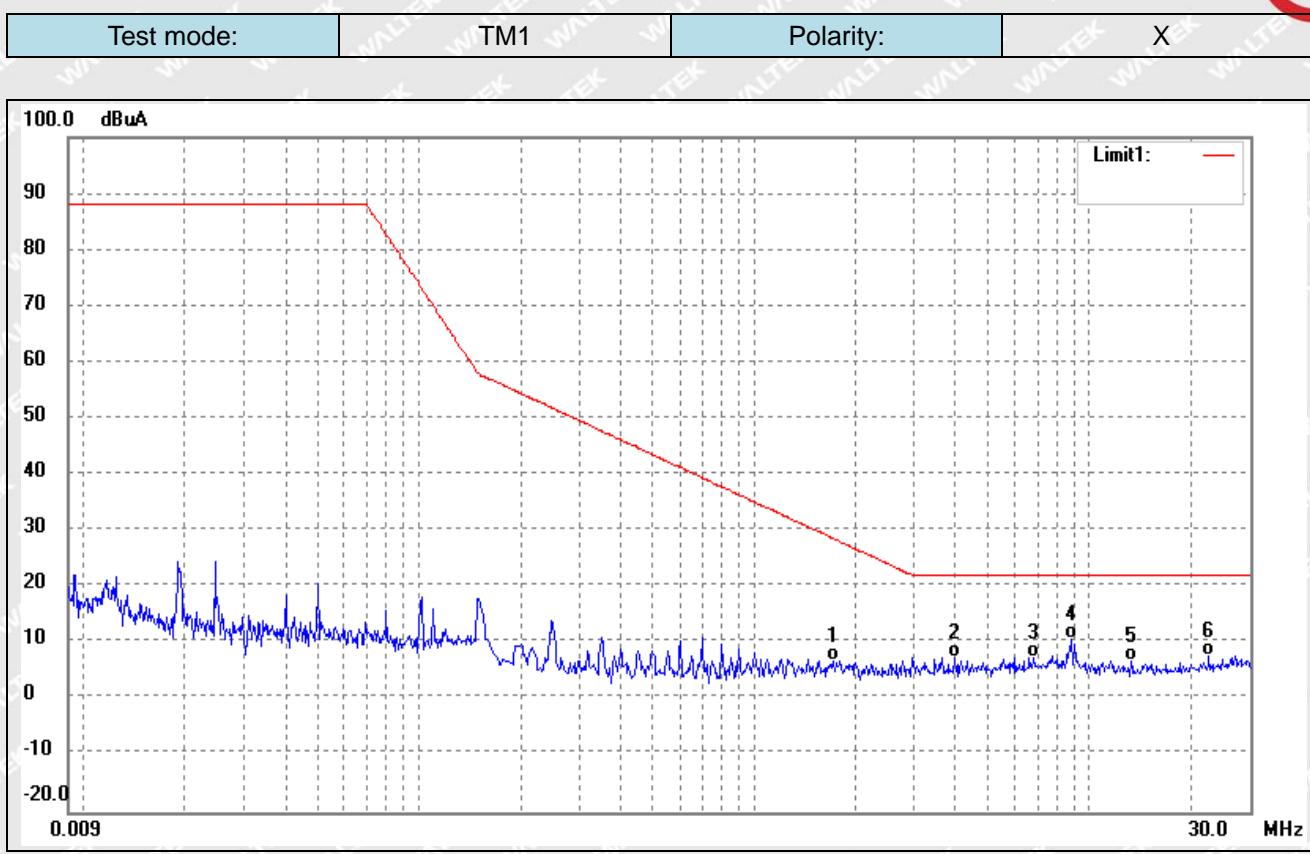


### 4.3 Environmental Conditions

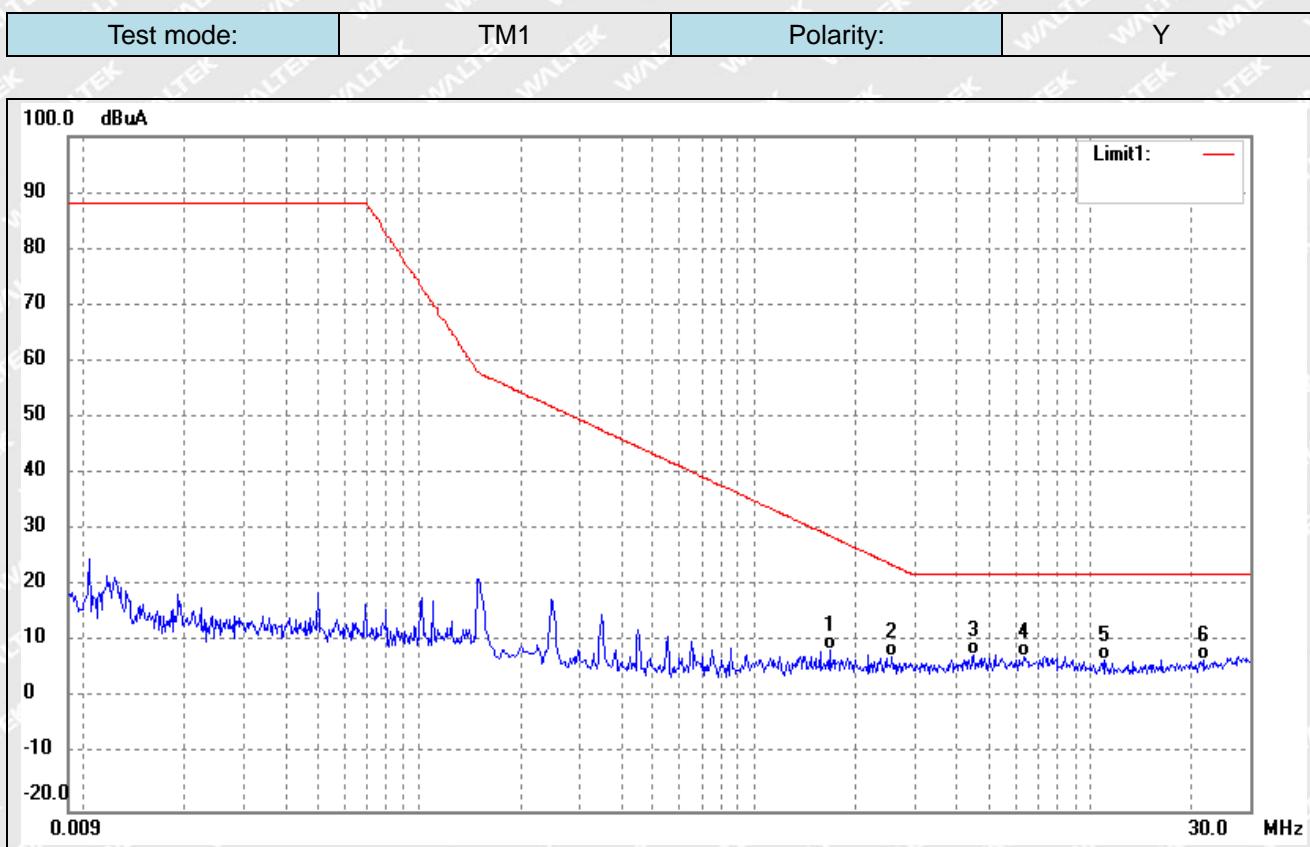
|                    |           |
|--------------------|-----------|
| Temperature:       | 22 °C     |
| Relative Humidity: | 55 %      |
| ATM Pressure:      | 1015 mbar |

### 4.4 Summary of Test Result

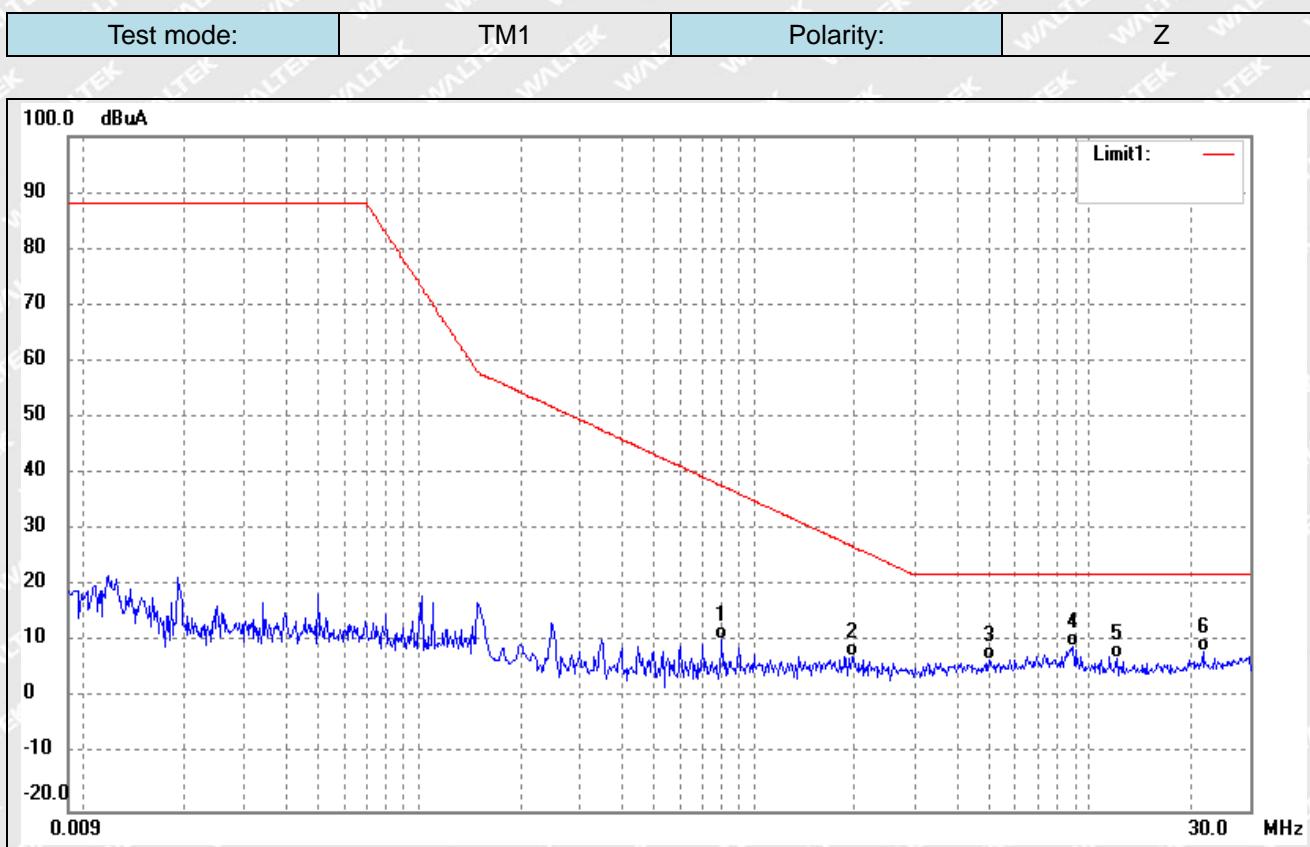
Please find the results below:



| No. | Frequency<br>(MHz) | Reading<br>(dBuA) | Correct<br>(dB) | Result<br>(dBuA) | Limit<br>(dBuA) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1   | 1.7140             | 6.71              | 0.00            | 6.71             | 28.73           | -22.02         | QP       |
| 2   | 3.9540             | 7.54              | 0.00            | 7.54             | 22.00           | -14.46         | QP       |
| 3   | 6.8460             | 7.57              | 0.00            | 7.57             | 22.00           | -14.43         | QP       |
| 4*  | 8.8820             | 10.87             | 0.00            | 10.87            | 22.00           | -11.13         | QP       |
| 5   | 13.2620            | 6.75              | 0.00            | 6.75             | 22.00           | -15.25         | QP       |
| 6   | 22.6740            | 7.84              | 0.00            | 7.84             | 22.00           | -14.16         | QP       |



| No. | Frequency<br>(MHz) | Reading<br>(dBuA) | Correct<br>(dB) | Result<br>(dBuA) | Limit<br>(dBuA) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1   | 1.6780             | 8.53              | 0.00            | 8.53             | 28.98           | -20.45         | QP       |
| 2   | 2.5740             | 7.33              | 0.00            | 7.33             | 23.84           | -16.51         | QP       |
| 3*  | 4.5180             | 7.70              | 0.00            | 7.70             | 22.00           | -14.30         | QP       |
| 4   | 6.3420             | 7.40              | 0.00            | 7.40             | 22.00           | -14.60         | QP       |
| 5   | 11.0980            | 6.72              | 0.00            | 6.72             | 22.00           | -15.28         | QP       |
| 6   | 21.7220            | 6.74              | 0.00            | 6.74             | 22.00           | -15.26         | QP       |



| No. | Frequency<br>(MHz) | Reading<br>(dBuA) | Correct<br>(dB) | Result<br>(dBuA) | Limit<br>(dBuA) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1   | 0.8020             | 10.34             | 0.00            | 10.34            | 37.85           | -27.51         | QP       |
| 2   | 1.9500             | 7.48              | 0.00            | 7.48             | 27.18           | -19.70         | QP       |
| 3   | 5.0220             | 6.89              | 0.00            | 6.89             | 22.00           | -15.11         | QP       |
| 4*  | 8.8860             | 9.39              | 0.00            | 9.39             | 22.00           | -12.61         | QP       |
| 5   | 12.0659            | 7.04              | 0.00            | 7.04             | 22.00           | -14.96         | QP       |
| 6   | 21.8260            | 8.23              | 0.00            | 8.23             | 22.00           | -13.77         | QP       |



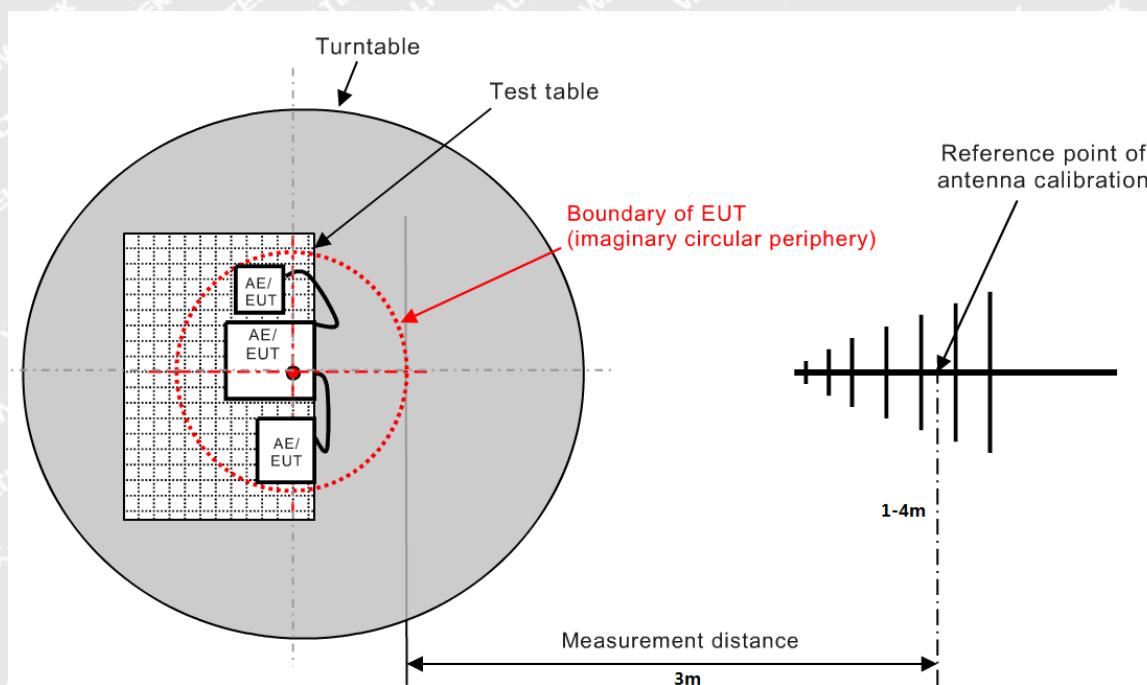
## 5. Radiated Emission

### 5.1 Measurement Uncertainty

Base on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any radiation emissions measurement.

| Measurement uncertainty |            |                               |
|-------------------------|------------|-------------------------------|
| Parameter               | Conditions | Uncertainty                   |
| Radiated Emissions      | Radiated   | 30-200MHz $\pm 4.52\text{dB}$ |
|                         |            | 0.2-1GHz $\pm 5.56\text{dB}$  |

### 5.2 Basic Test Setup Block Diagram





### 5.3 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Correct}$$

$$\text{Correct} = \text{Ant.Factor} + \text{Cable Loss} - \text{Ampl.Gain}$$

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit.

For example, a margin of -6dB $\mu$ V means the emission is 6dB $\mu$ V below the maximum limit for. The equation for margin calculation is as follows:

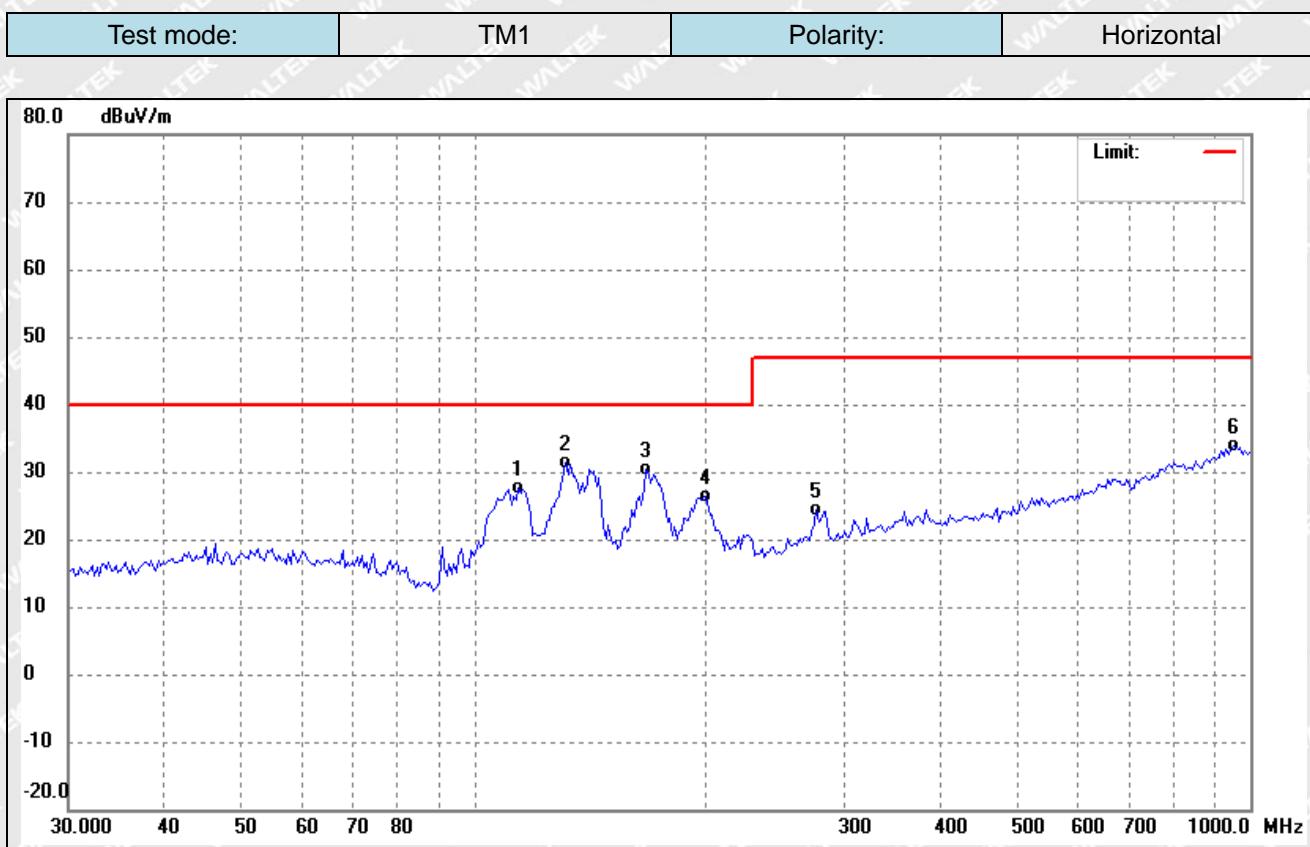
$$\text{Margin} = \text{Corr. Ampl.} - \text{AS/NZS CISPR 15 Limit}$$

### 5.4 Environmental Conditions

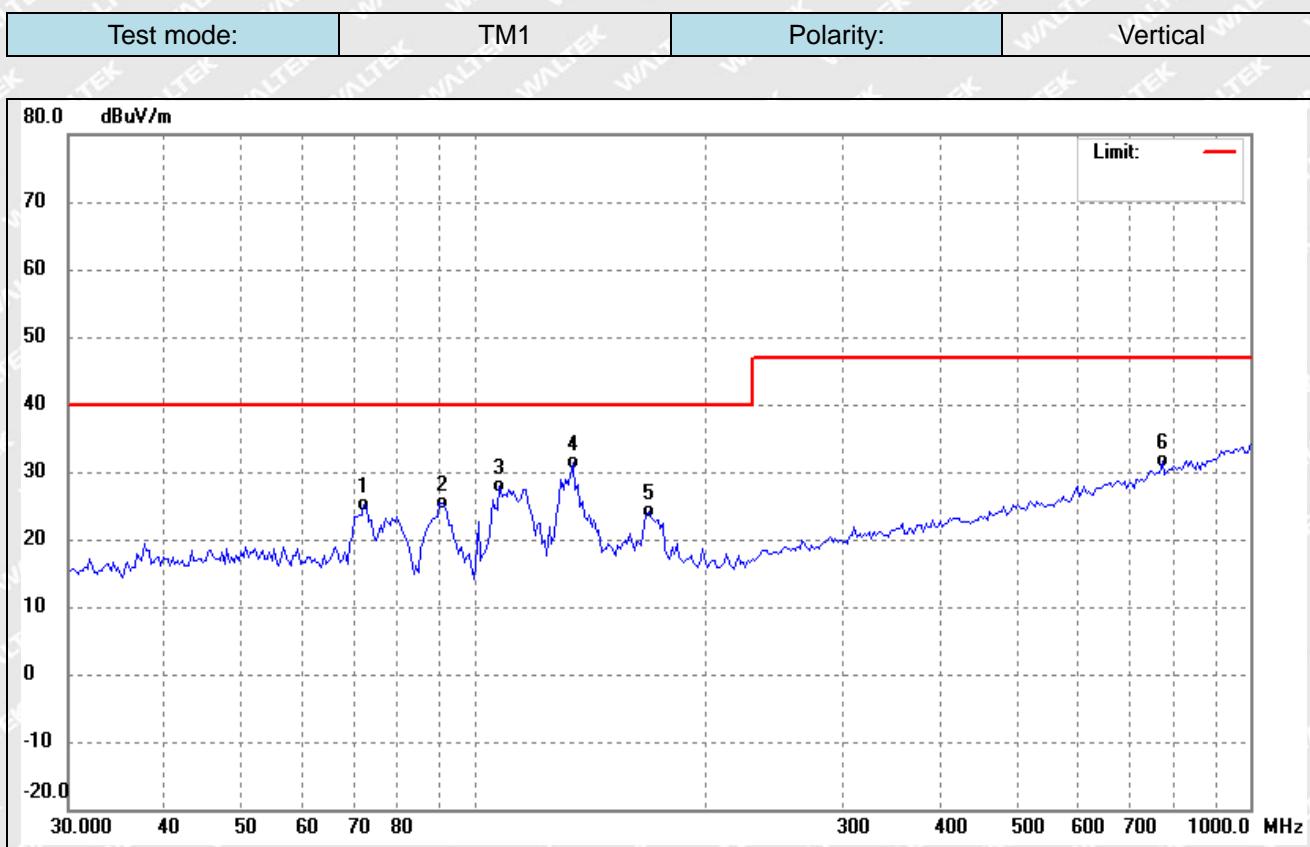
|                    |           |
|--------------------|-----------|
| Temperature:       | 23 °C     |
| Relative Humidity: | 53 %      |
| ATM Pressure:      | 1011 mbar |

### 5.5 Summary of Test Results

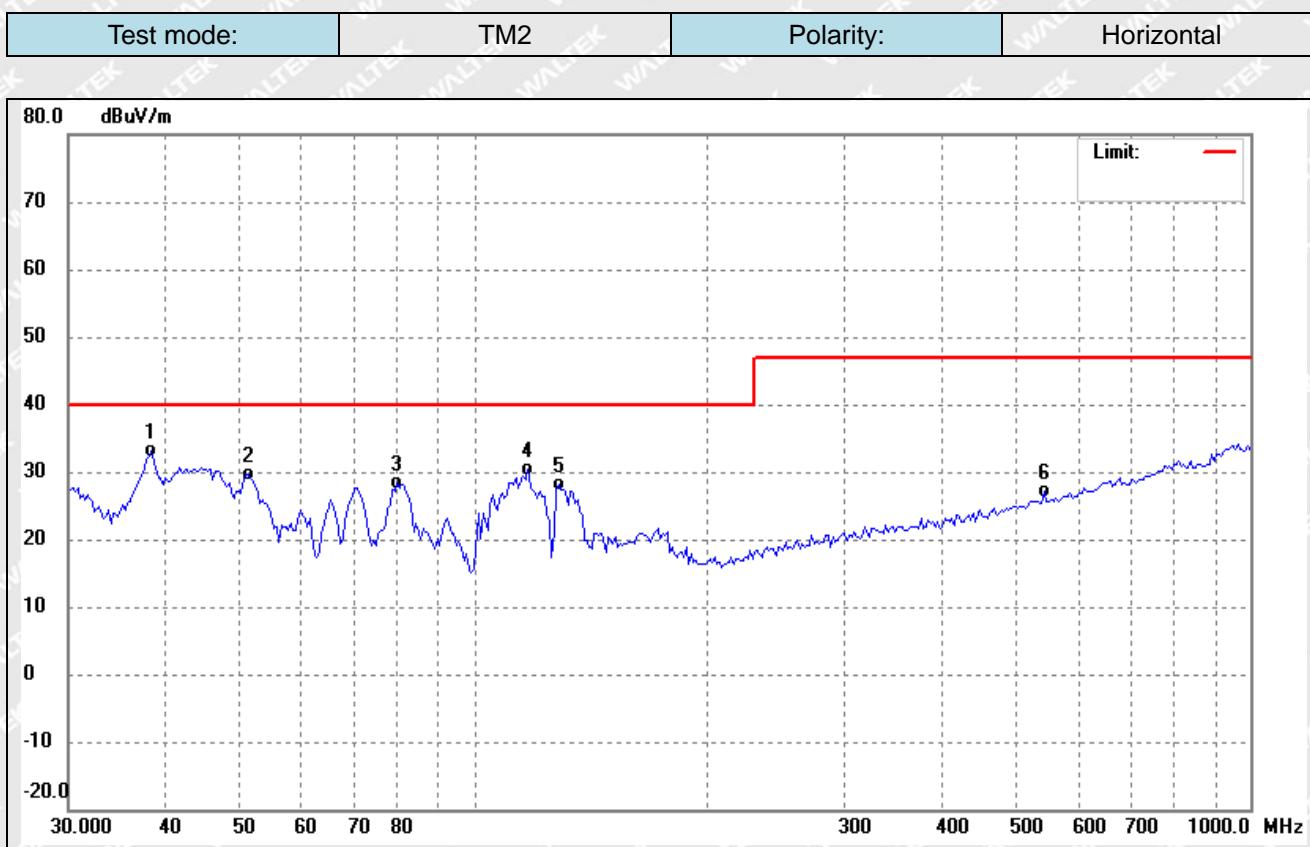
Please find the results below:



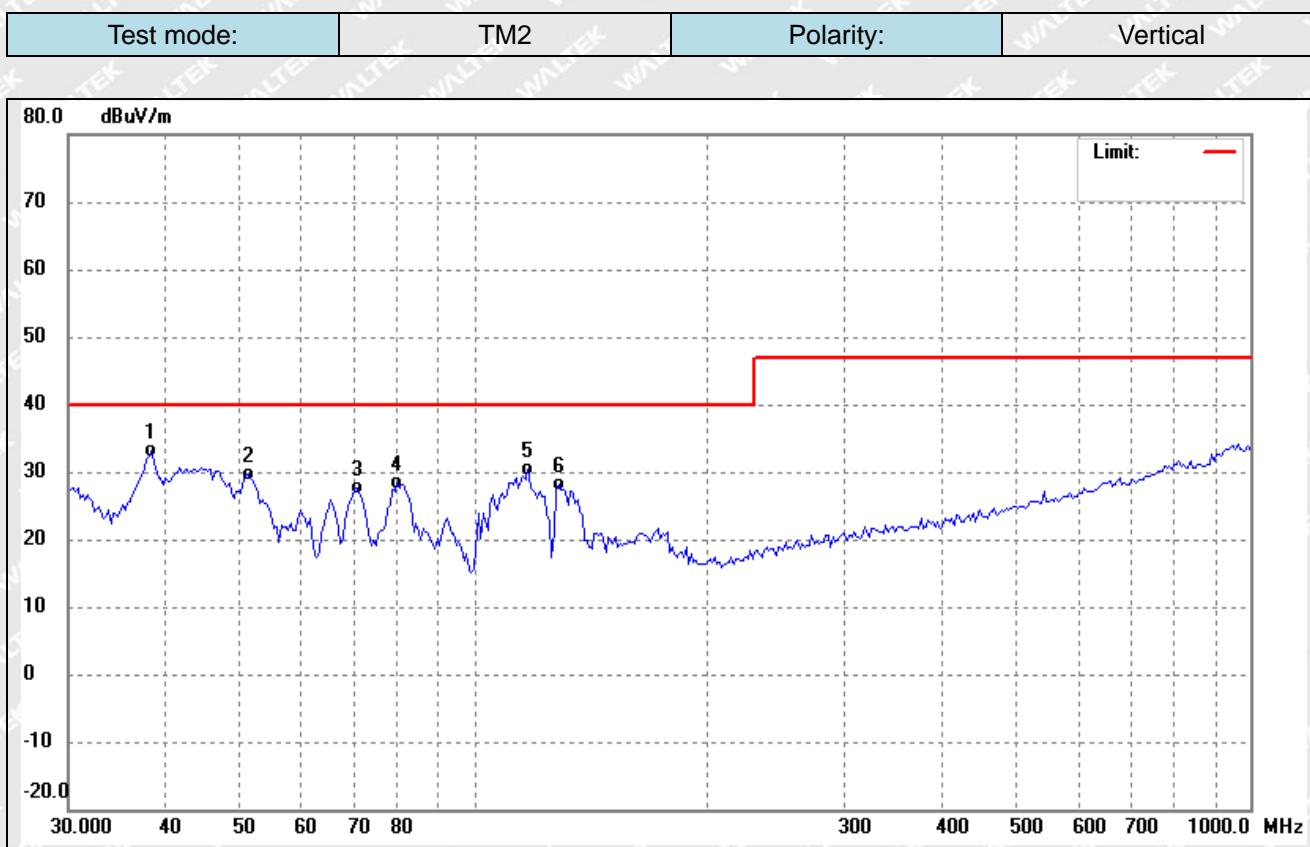
| No. | Frequency<br>(MHz) | Reading<br>(dB <sub>UV</sub> /m) | Correct<br>dB/m | Result<br>(dB <sub>UV</sub> /m) | Limit<br>(dB <sub>UV</sub> /m) | Margin<br>(dB) | Remark |
|-----|--------------------|----------------------------------|-----------------|---------------------------------|--------------------------------|----------------|--------|
| 1   | 114.0184           | 39.10                            | -11.43          | 27.67                           | 40.00                          | -12.33         | QP     |
| 2   | 131.2235           | 41.33                            | -10.01          | 31.32                           | 40.00                          | -8.68          | QP     |
| 3   | 166.6385           | 39.04                            | -8.75           | 30.29                           | 40.00                          | -9.71          | QP     |
| 4   | 198.6424           | 37.98                            | -11.50          | 26.48                           | 40.00                          | -13.52         | QP     |
| 5   | 276.3818           | 32.84                            | -8.46           | 24.38                           | 47.00                          | -22.62         | QP     |
| 6   | 952.0001           | 30.90                            | -2.95           | 33.85                           | 47.00                          | -13.15         | QP     |



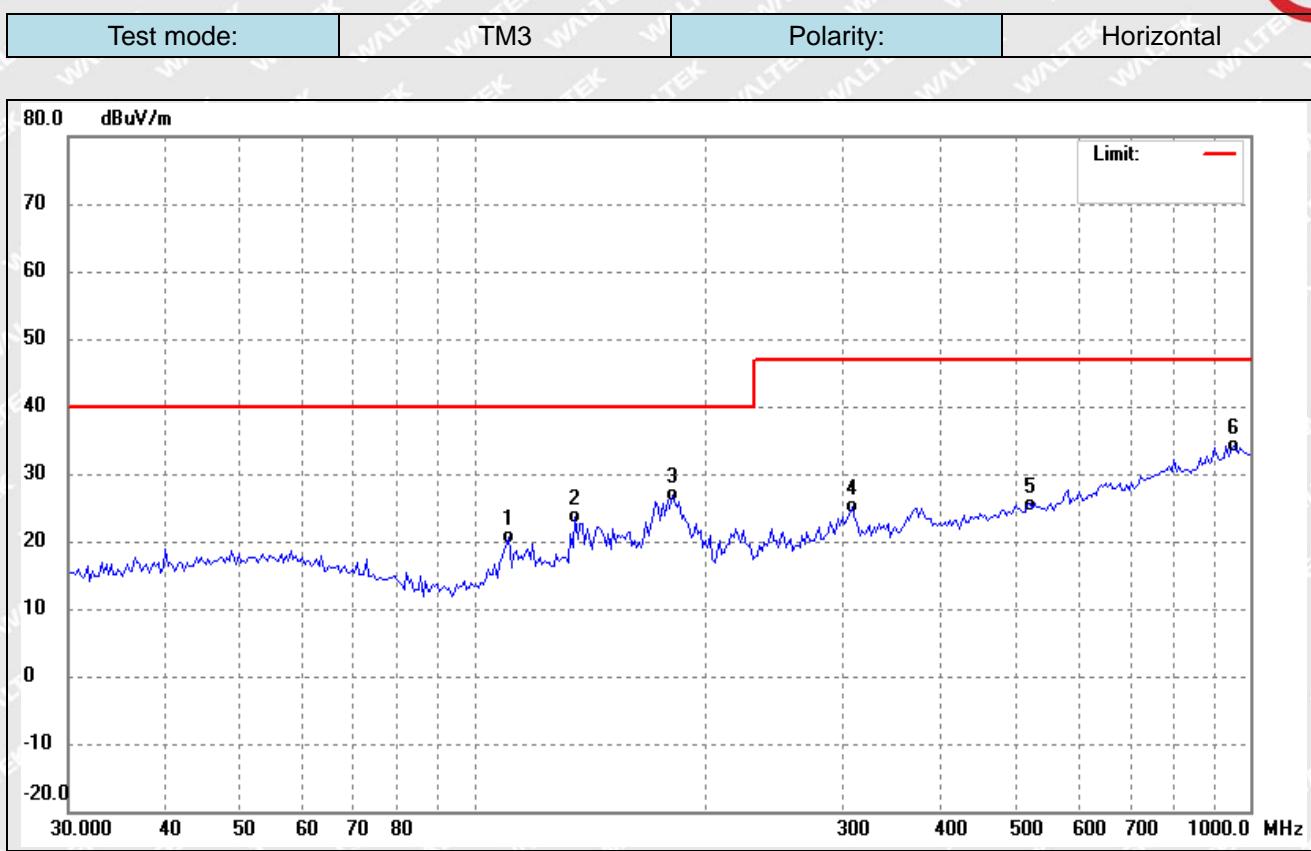
| No. | Frequency<br>(MHz) | Reading<br>(dB <sub>UV</sub> ) | Correct<br>(dB/m) | Result<br>(dB <sub>UV</sub> /m) | Limit<br>(dB <sub>UV</sub> /m) | Margin<br>(dB) | Remark |
|-----|--------------------|--------------------------------|-------------------|---------------------------------|--------------------------------|----------------|--------|
| 1   | 72.2111            | 36.64                          | -11.51            | 25.13                           | 40.00                          | -14.87         | QP     |
| 2   | 91.0574            | 39.86                          | -14.44            | 25.42                           | 40.00                          | -14.58         | QP     |
| 3   | 107.7854           | 40.10                          | -12.28            | 27.82                           | 40.00                          | -12.18         | QP     |
| 4   | 134.0194           | 41.22                          | -9.74             | 31.48                           | 40.00                          | -8.52          | QP     |
| 5   | 167.8136           | 32.90                          | -8.76             | 24.14                           | 40.00                          | -15.86         | QP     |
| 6   | 771.0475           | 31.04                          | 0.53              | 31.57                           | 47.00                          | -15.43         | QP     |



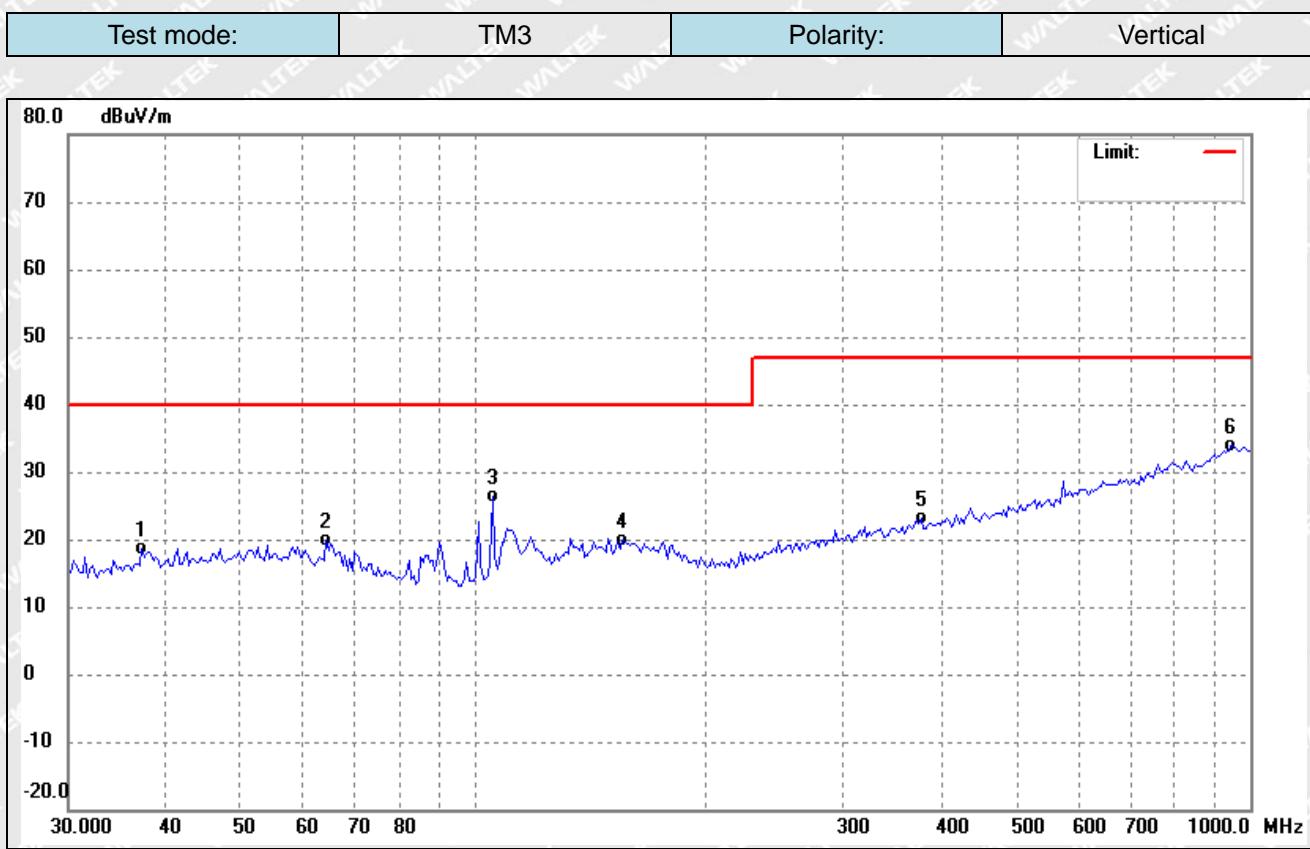
| No. | Frequency<br>(MHz) | Reading<br>(dB <sub>UV</sub> ) | Correct<br>(dB/m) | Result<br>(dB <sub>UV</sub> /m) | Limit<br>(dB <sub>UV</sub> /m) | Margin<br>(dB) | Remark |
|-----|--------------------|--------------------------------|-------------------|---------------------------------|--------------------------------|----------------|--------|
| 1   | 38.3651            | 42.96                          | -9.76             | 33.20                           | 40.00                          | -6.80          | QP     |
| 2   | 51.1756            | 38.67                          | -8.99             | 29.68                           | 40.00                          | -10.32         | QP     |
| 3   | 79.6764            | 41.30                          | -12.96            | 28.34                           | 40.00                          | -11.66         | QP     |
| 4   | 117.2688           | 41.58                          | -11.14            | 30.44                           | 40.00                          | -9.56          | QP     |
| 5   | 128.4861           | 38.35                          | -10.17            | 28.18                           | 40.00                          | -11.82         | QP     |
| 6   | 542.6104           | 30.94                          | -3.81             | 27.13                           | 47.00                          | -19.87         | QP     |



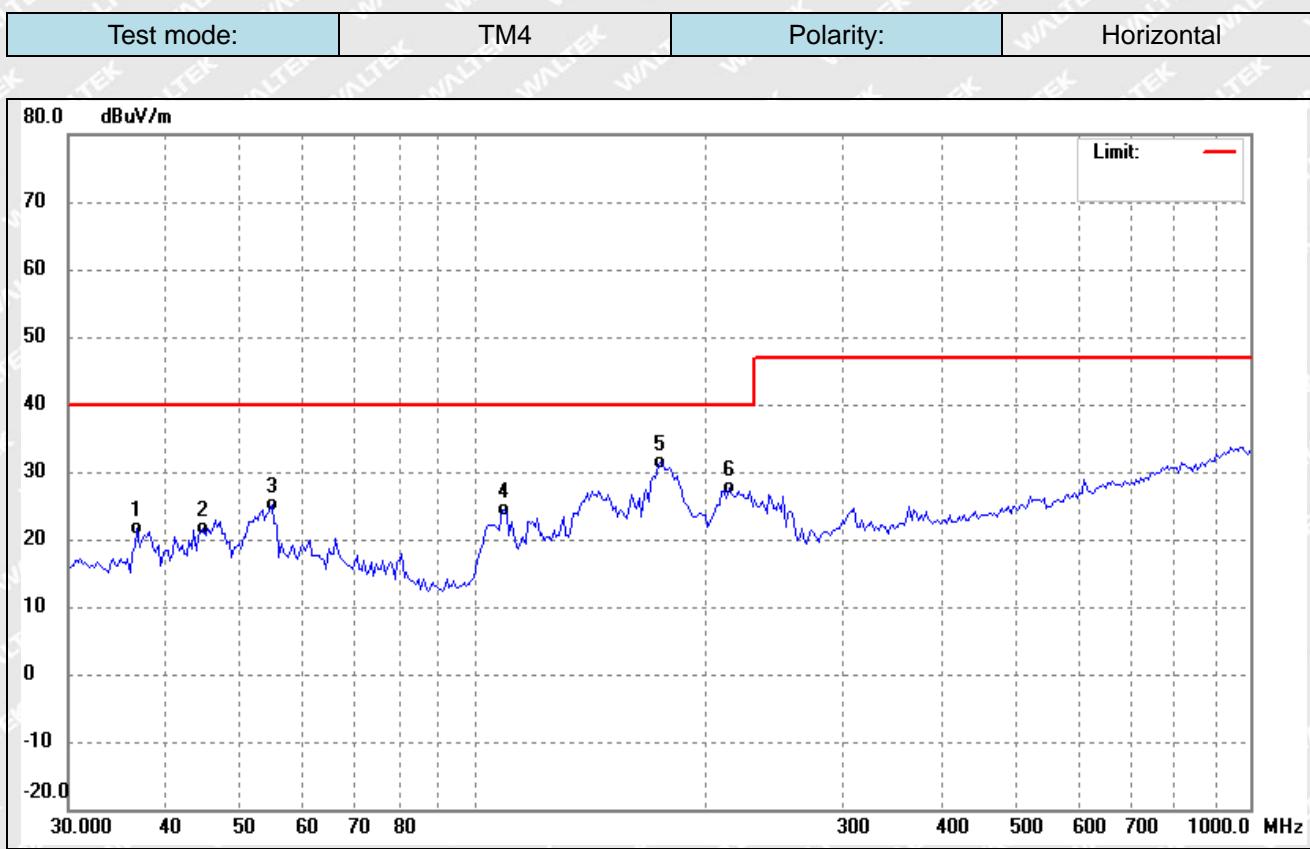
| No. | Frequency<br>(MHz) | Reading<br>(dB <sub>UV</sub> ) | Correct<br>(dB/m) | Result<br>(dB <sub>UV</sub> /m) | Limit<br>(dB <sub>UV</sub> /m) | Margin<br>(dB) | Remark |
|-----|--------------------|--------------------------------|-------------------|---------------------------------|--------------------------------|----------------|--------|
| 1   | 38.3651            | 42.96                          | -9.76             | 33.20                           | 40.00                          | -6.80          | QP     |
| 2   | 51.1756            | 38.67                          | -8.99             | 29.68                           | 40.00                          | -10.32         | QP     |
| 3   | 70.7047            | 38.82                          | -11.25            | 27.57                           | 40.00                          | -12.43         | QP     |
| 4   | 79.6764            | 41.30                          | -12.96            | 28.34                           | 40.00                          | -11.66         | QP     |
| 5   | 117.2688           | 41.58                          | -11.14            | 30.44                           | 40.00                          | -9.56          | QP     |
| 6   | 128.4861           | 38.35                          | -10.17            | 28.18                           | 40.00                          | -11.82         | QP     |



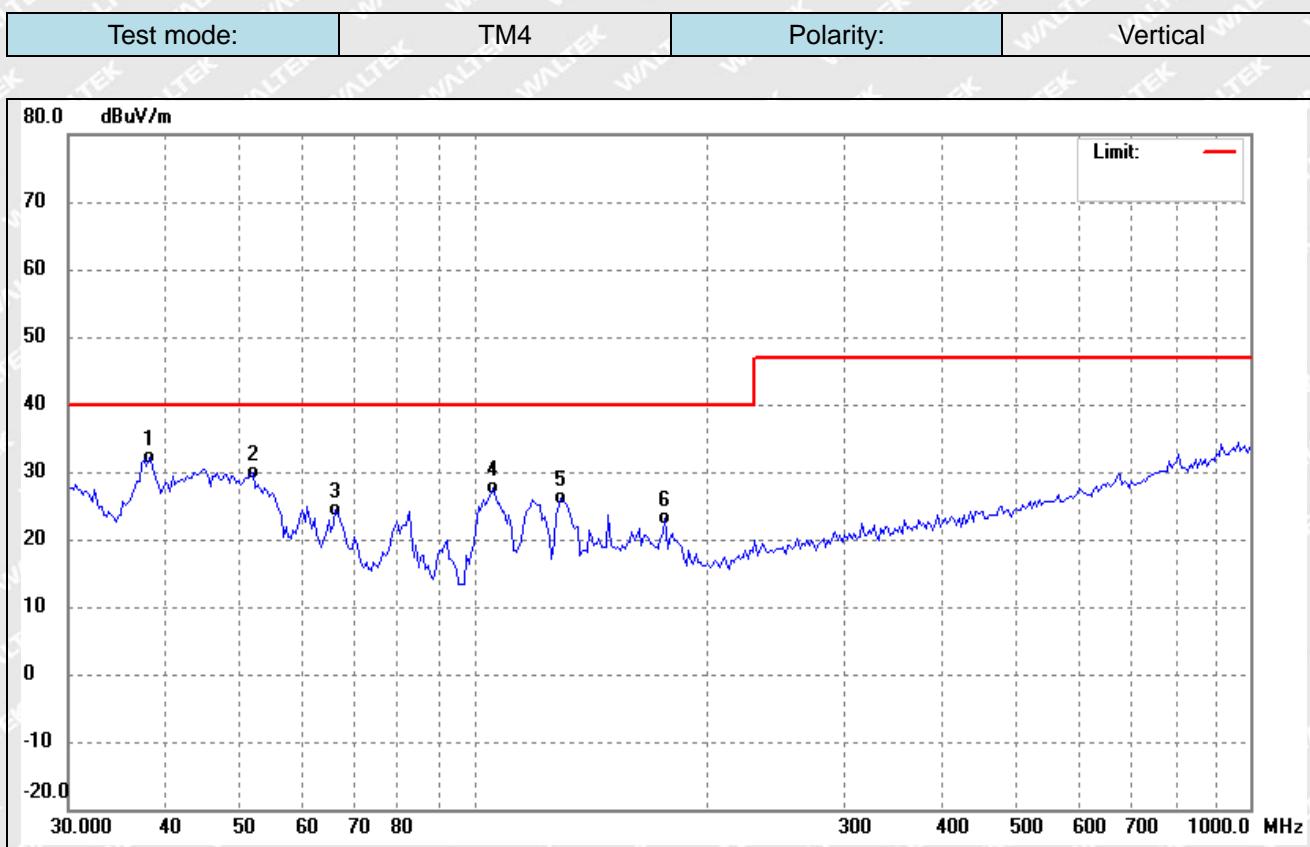
| No. | Frequency<br>(MHz) | Reading<br>(dB $\mu$ V) | Correct<br>(dB/m) | Result<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------------|-------------------|--------------------------|-------------------------|----------------|--------|
| 1   | 110.8581           | 32.53                   | -11.86            | 20.67                    | 40.00                   | -19.33         | QP     |
| 2   | 134.9645           | 33.17                   | -9.66             | 23.51                    | 40.00                   | -16.49         | QP     |
| 3   | 180.0304           | 36.67                   | -9.87             | 26.80                    | 40.00                   | -13.20         | QP     |
| 4   | 307.1053           | 32.79                   | -7.60             | 25.19                    | 47.00                   | -21.81         | QP     |
| 5   | 516.5651           | 29.47                   | -4.01             | 25.46                    | 47.00                   | -21.54         | QP     |
| 6   | 952.0001           | 31.20                   | 2.95              | 34.15                    | 47.00                   | -12.85         | QP     |



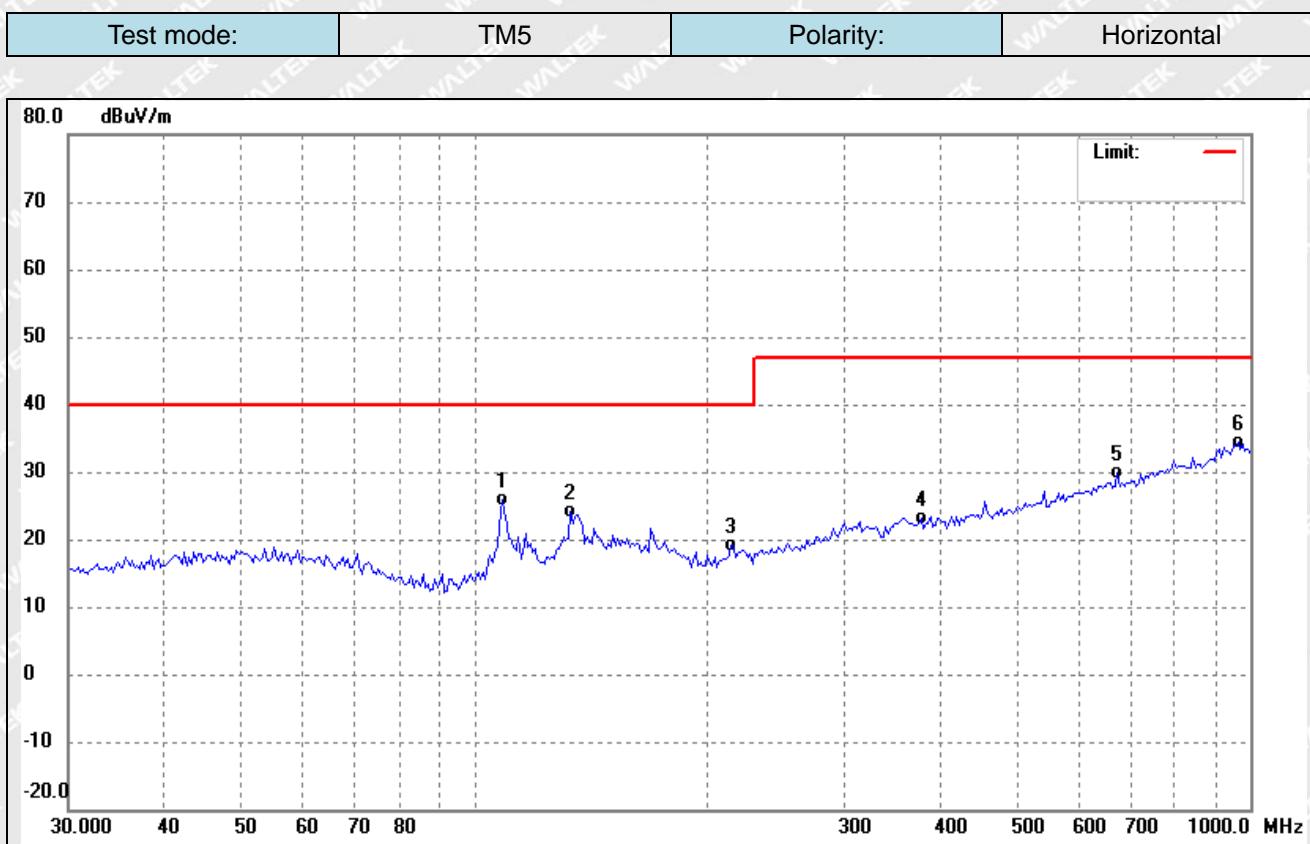
| No. | Frequency<br>(MHz) | Reading<br>(dB <sub>UV</sub> ) | Correct<br>(dB/m) | Result<br>(dB <sub>UV</sub> /m) | Limit<br>(dB <sub>UV</sub> /m) | Margin<br>(dB) | Remark |
|-----|--------------------|--------------------------------|-------------------|---------------------------------|--------------------------------|----------------|--------|
| 1   | 37.3017            | 28.41                          | -9.90             | 18.51                           | 40.00                          | -21.49         | QP     |
| 2   | 64.5319            | 30.00                          | -10.14            | 19.86                           | 40.00                          | -20.14         | QP     |
| 3   | 105.5369           | 39.04                          | -12.66            | 26.38                           | 40.00                          | -13.62         | QP     |
| 4   | 155.3305           | 28.41                          | -8.62             | 19.79                           | 40.00                          | -20.21         | QP     |
| 5   | 376.5227           | 29.69                          | -6.55             | 23.14                           | 47.00                          | -23.86         | QP     |
| 6   | 945.3336           | 31.06                          | -2.85             | 33.91                           | 47.00                          | -13.09         | QP     |



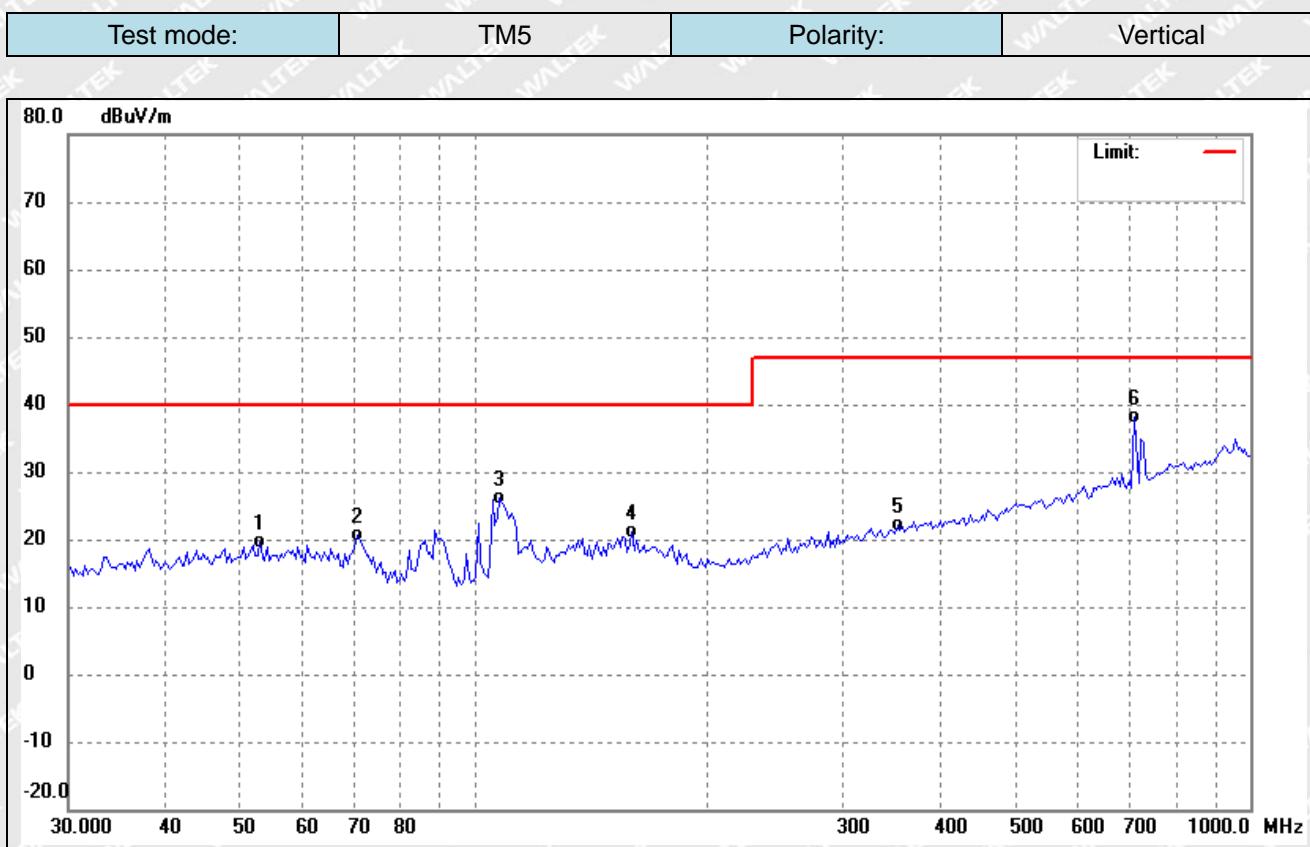
| No. | Frequency<br>(MHz) | Reading<br>(dB <sub>uV/m</sub> ) | Correct<br>dB/m | Result<br>(dB <sub>uV/m</sub> ) | Limit<br>(dB <sub>uV/m</sub> ) | Margin<br>(dB) | Remark |
|-----|--------------------|----------------------------------|-----------------|---------------------------------|--------------------------------|----------------|--------|
| 1   | 36.7811            | 31.53                            | -9.97           | 21.56                           | 40.00                          | -18.44         | QP     |
| 2   | 44.7793            | 30.74                            | -9.08           | 21.66                           | 40.00                          | -18.34         | QP     |
| 3   | 54.9011            | 34.26                            | -9.20           | 25.06                           | 40.00                          | -14.94         | QP     |
| 4   | 108.5455           | 36.58                            | -12.17          | 24.41                           | 40.00                          | -15.59         | QP     |
| 5   | 173.8146           | 40.62                            | -9.18           | 31.44                           | 40.00                          | -8.56          | QP     |
| 6   | 213.1035           | 39.20                            | -11.68          | 27.52                           | 40.00                          | -12.48         | QP     |



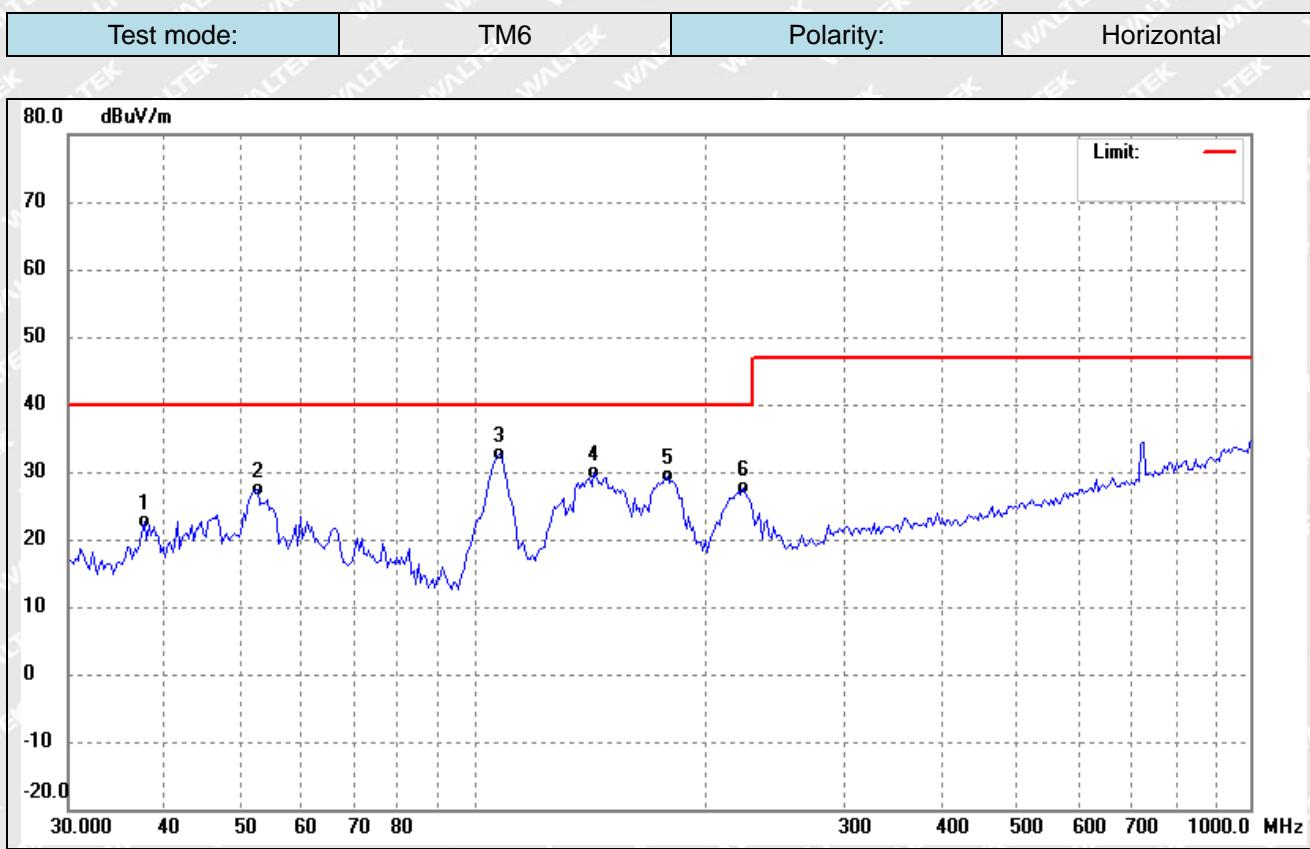
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 38.0965            | 42.04             | -9.79             | 32.25              | 40.00             | -7.75          | QP     |
| 2   | 51.8998            | 38.81             | -9.00             | 29.81              | 40.00             | -10.19         | QP     |
| 3   | 66.3714            | 34.85             | -10.41            | 24.44              | 40.00             | -15.56         | QP     |
| 4   | 105.5369           | 40.18             | -12.66            | 27.52              | 40.00             | -12.48         | QP     |
| 5   | 129.3923           | 36.34             | -10.12            | 26.22              | 40.00             | -13.78         | QP     |
| 6   | 176.2748           | 32.42             | -9.39             | 23.03              | 40.00             | -16.97         | QP     |



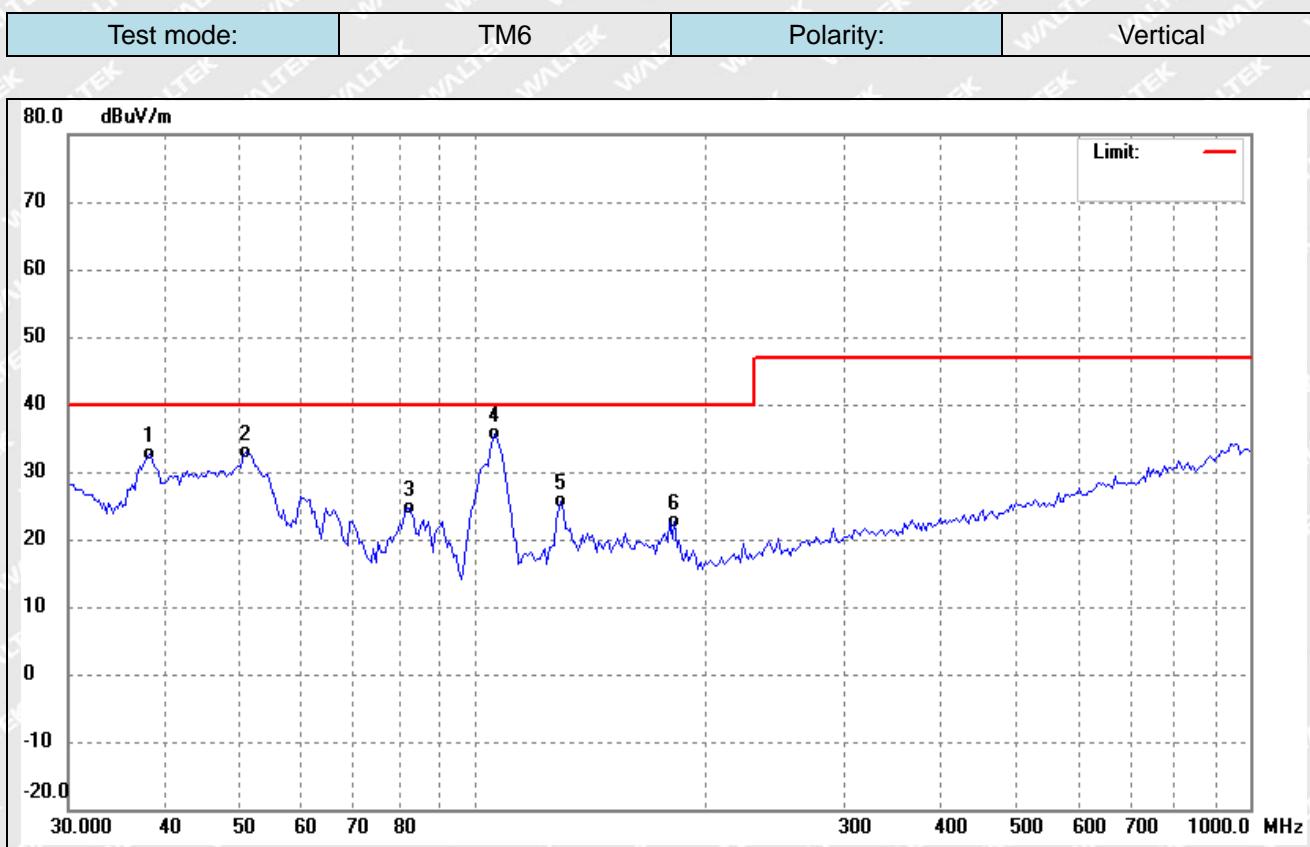
| No. | Frequency<br>(MHz) | Reading<br>(dB <sub>uV</sub> ) | Correct<br>(dB/m) | Result<br>(dB <sub>uV/m</sub> ) | Limit<br>(dB <sub>uV/m</sub> ) | Margin<br>(dB) | Remark |
|-----|--------------------|--------------------------------|-------------------|---------------------------------|--------------------------------|----------------|--------|
| 1   | 108.5455           | 38.11                          | -12.17            | 25.94                           | 40.00                          | -14.06         | QP     |
| 2   | 133.0809           | 33.88                          | -9.85             | 24.03                           | 40.00                          | -15.97         | QP     |
| 3   | 214.6063           | 30.73                          | -11.66            | 19.07                           | 40.00                          | -20.93         | QP     |
| 4   | 376.5227           | 29.76                          | -6.55             | 23.21                           | 47.00                          | -23.79         | QP     |
| 5   | 674.6768           | 30.92                          | -1.14             | 29.78                           | 47.00                          | -17.22         | QP     |
| 6   | 965.4742           | 31.32                          | 2.98              | 34.30                           | 47.00                          | -12.70         | QP     |



| No. | Frequency<br>(MHz) | Reading<br>(dB <sub>uV</sub> ) | Correct<br>(dB/m) | Result<br>(dB <sub>uV/m</sub> ) | Limit<br>(dB <sub>uV/m</sub> ) | Margin<br>(dB) | Remark            |
|-----|--------------------|--------------------------------|-------------------|---------------------------------|--------------------------------|----------------|-------------------|
|     |                    |                                |                   |                                 |                                |                | Correct<br>(dB/m) |
| 1   | 53.0056            | 28.67                          | -9.06             | 19.61                           | 40.00                          | -20.39         | QP                |
| 2   | 70.7047            | 31.81                          | -11.25            | 20.56                           | 40.00                          | -19.44         | QP                |
| 3   | 107.7854           | 38.44                          | -12.28            | 26.16                           | 40.00                          | -13.84         | QP                |
| 4   | 159.7586           | 29.62                          | -8.53             | 21.09                           | 40.00                          | -18.91         | QP                |
| 5   | 350.9722           | 29.14                          | -7.01             | 22.13                           | 47.00                          | -24.87         | QP                |
| 6   | 708.6941           | 39.00                          | -0.77             | 38.23                           | 47.00                          | -8.77          | QP                |



| No. | Frequency<br>(MHz) | Reading<br>(dB <sub>UV</sub> ) | Correct<br>(dB/m) | Result<br>(dB <sub>UV</sub> /m) | Limit<br>(dB <sub>UV</sub> /m) | Margin<br>(dB) | Remark  |
|-----|--------------------|--------------------------------|-------------------|---------------------------------|--------------------------------|----------------|---|
|     |                    |                                |                   |                                 |                                |                | (MHz)<br>(dB <sub>UV</sub> )<br>(dB/m)<br>(dB <sub>UV</sub> /m)<br>(dB) |
| 1   | 37.5648            | 32.42                          | -9.87             | 22.55                           | 40.00                          | -17.45         | QP  |
| 2   | 52.6345            | 36.51                          | -9.04             | 27.47                           | 40.00                          | -12.53         | QP  |
| 3   | 107.7854           | 44.94                          | -12.28            | 32.66                           | 40.00                          | -7.34          | QP  |
| 4   | 142.7692           | 39.08                          | -9.19             | 29.89                           | 40.00                          | -10.11         | QP  |
| 5   | 177.5179           | 39.04                          | -9.56             | 29.48                           | 40.00                          | -10.52         | QP  |
| 6   | 222.2807           | 39.07                          | -11.50            | 27.57                           | 40.00                          | -12.43         | QP  |



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 38.0965            | 42.48             | -9.79             | 32.69              | 40.00             | -7.31          | QP     |
| 2   | 50.8172            | 41.82             | -8.98             | 32.84              | 40.00             | -7.16          | QP     |
| 3   | 82.5257            | 38.27             | -13.53            | 24.74              | 40.00             | -15.26         | QP     |
| 4   | 106.2812           | 48.06             | -12.53            | 35.53              | 40.00             | -4.47          | QP     |
| 5   | 129.3923           | 35.78             | -10.12            | 25.66              | 40.00             | -14.34         | QP     |
| 6   | 181.3000           | 32.70             | -10.00            | 22.70              | 40.00             | -17.30         | QP     |



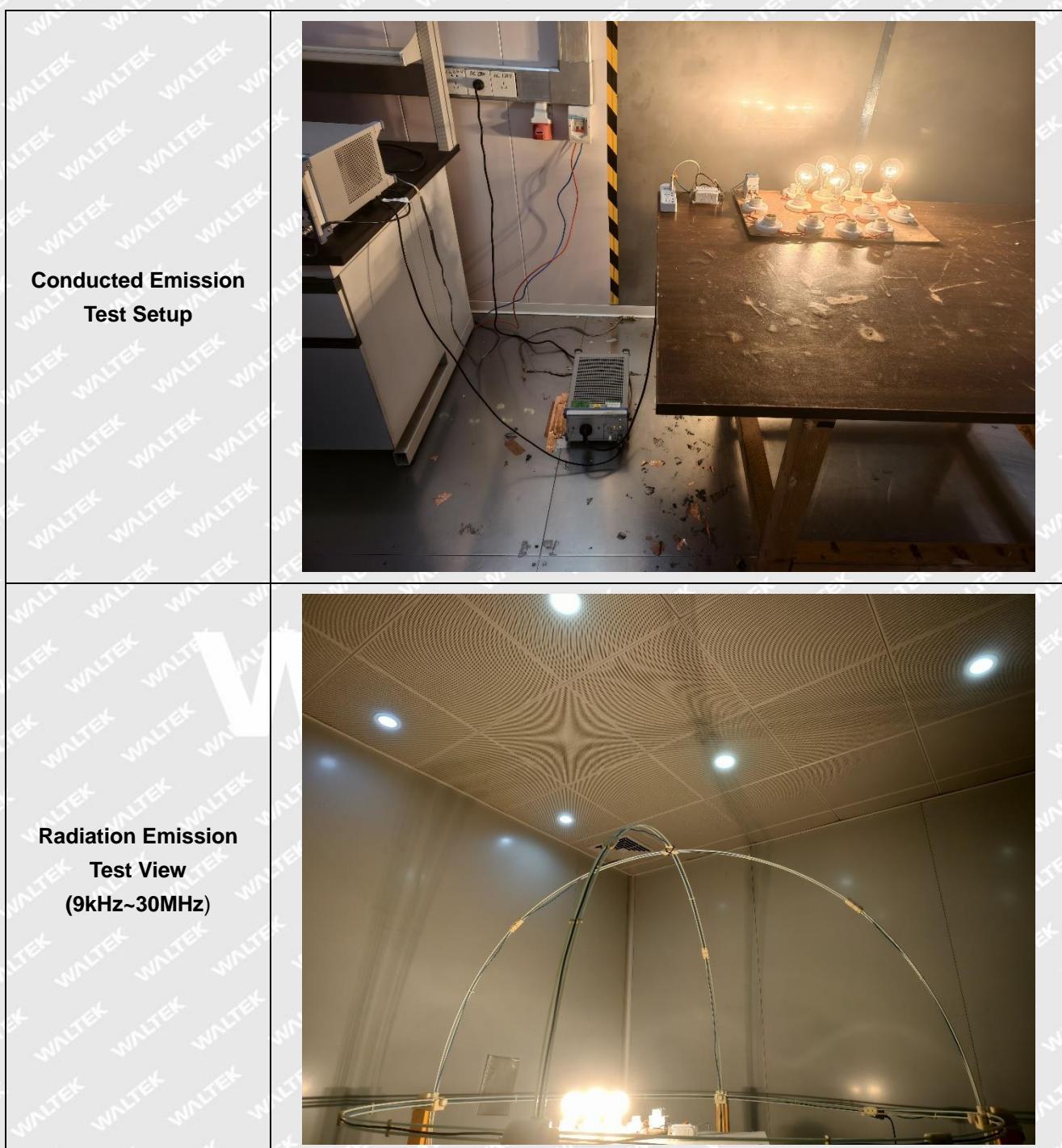
## EXHIBIT 1 - EUT PHOTOGRAPHS

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Please refer to "ANNEX ASNZS".

**WALTEK**

## EXHIBIT 2 - TEST SETUP PHOTOGRAPHS





**Radiation Emission  
Test View(30MHz to  
1GHz)**



\*\*\*\*\* END OF REPORT \*\*\*\*\*